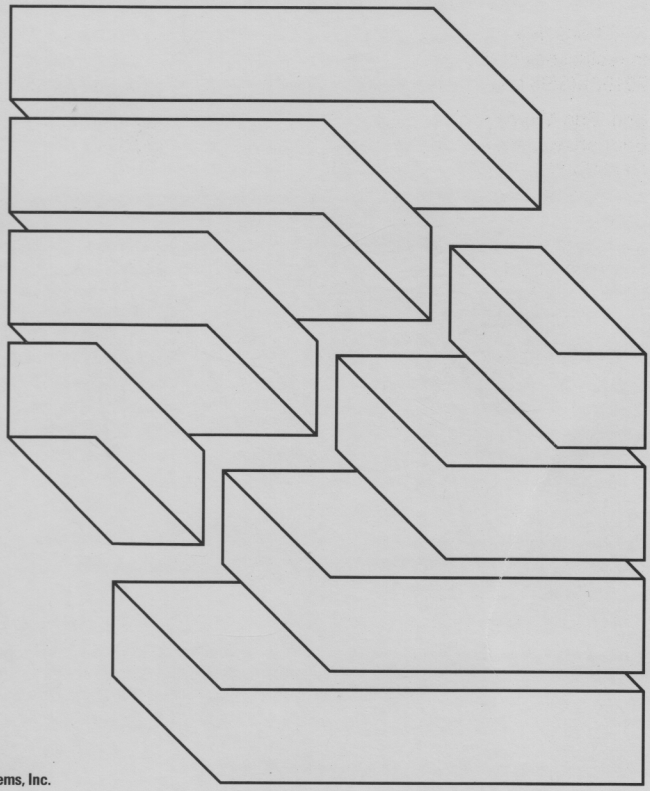
Field Engineer Handbook

Volume II



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Written and published by Mike Persichetty and Gerri Roe

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Preface

The *Field Engineer Handbook,* Volumes I and II, illustrates and describes Sun Workstations, Servers, and Options. The handbook is a reference manual for Sun service providers and customers.

This handbook complements other Sun technical publications and education courses. We assume that Sun service providers and customers who service and repair Sun products have access to these resources.

The FE Handbook is not an official configuration guide. Standard Configurations and Options supported by Sun Microsystems are documented in the End User Price List, Reseller Price List, Hardware Configuration Guides, Product Brochures, and Hardware Installation Manuals.

Send email to fehb-errata@persius.eng.sun.com to receive the errata for the *Field Engineer Handbook*.

Email your comments and suggestions to the authors at fehb@scarlett.eng.sun.com.

Handbook Organization

The Field Engineer Handbook is organized into two volumes.

Volume I includes the Configuration section.

- **Configurations** contains board and peripheral part numbers, option numbers, and illustrations; jumper and switch settings; video resolutions; memory module compatibility; and notes and references.

Volume II includes the following sections:

- **Parts Breakdown** contains workstation, server, and option illustrations; part number listings; and monitor specifications.

- **Troubleshooting** contains system LED error codes; SCSI connector pin assignments, SCSI sense keys and codes; tape drive manual ejection procedures; and communications device pin assignments.

- **Power** contains fuse and power cord charts; system wiring diagrams; and illustrations of power plugs, power supplies power sequencers, and power distribution units.

Revision History

DATE	DESCRIPTION		PART NUMBER
06/01/87	First Edition	1-Volume	800-1819-01
11/01/87	Second Edition	1-Volume	800-1819-01
04/01/88	Third Edition	1-Volume	800-4006-01
09/01/88	Fourth Edition	1-Volume	800-4006-02
05/01/89	Fifth Edition	2-Volume Set	851-1020-01
10//0189	Supplement	2-Volume Set	851-1020-02
05/01/90	Supplement	2-Volume Set	851-1020-03
12/01/90	Sixth Edition	2-Volume Set	851-1020-04
08/15/91	Seventh Edition	2-Volume Set	851-1020-05
02/15/92	Eighth Edition	2-Volume Set	851-1020-06
11/15/92	Ninth Edition	2-Volume Set	851-1020-07
05/28/93	Tenth Edition	2-Volume Set	851-1020-08
12/15/93	Eleventh Edition	2-Volume Set	851-1020-09
06/10/94	Twelfth Edition	2-Volume Set	851-1020-10
02/21/95	Thirteenth Edition	2-Volume Set	851-1020-11
02/23/96	Fourteenth Edition	2-Volume Set	851-1020-12
09/27/96	Fifteenth Edition	2-Volume Set	851-1020-13
04/16/97	Sixteenth Edition	2-Volume Set	851-1020-14
12/05/97	Seventeenth Edition	2-Volume Set	851-1020-15
06/17/98	Eighteenth Edition	2-Volume Set	851-1020-16
		Volume I	800-4006-16
		Volume II	800-4247-14

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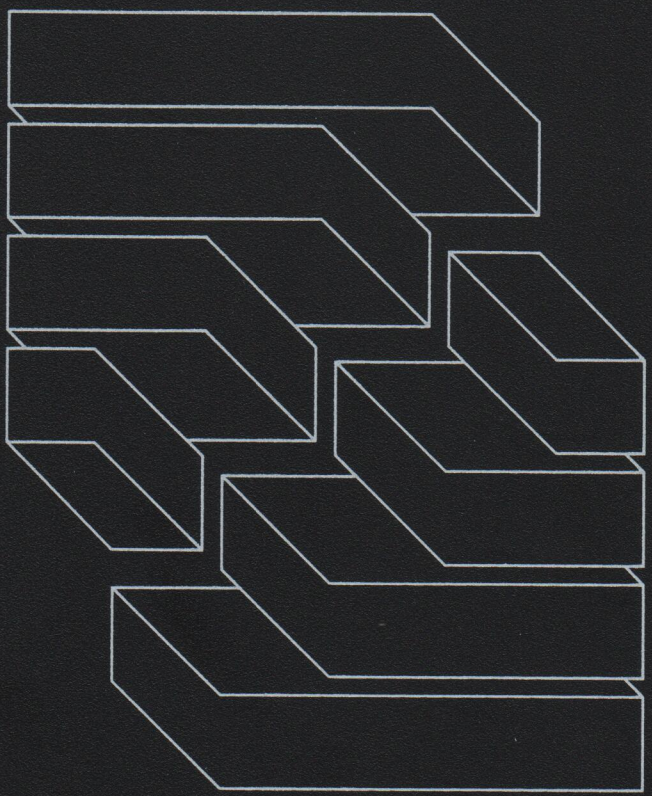
PARTS BREAKDOWN



PARTS BREAKDOWN

Parts Breakdown

This section contains illustrations, part numbers, and descriptions of Sun Systems, Options, Boards, Input Devices, Monitors, and Printers.

Options such as processor modules, SIMMs, and SBus cards are not included in the System chapter. Internal system peripheral options are not included in the Disk, Removable Media, or Miscellaneous chapters.

Parts listed as (obsolete) or (obs) are no longer used to build new systems. Obsolete parts may be replaced with newer part numbers and may not be available.

This manual provides a list of part numbers used to assemble the system or option. Many of the part numbers listed are not normally available as spare parts or as field replaceable service spares, also referred to as Field Replaceable Units, or FRUs.

Spare parts available for purchase are listed in the *SunSpares Price List*. A list of valid FRU part numbers and part substitutions is available to Sun service and support personnel from Enterprise Services logistics.

Abbreviations

Assy	Assembly
Bkt	Bracket
FRU	Field Replaceable Unit
NS	Not shown
OBP	Open Boot PROM
Obs	Obsolete
OS	Operating System
w	With
w/o	Without
•	Indicates the part is used in an assembly

Option Abbreviations

SSA	SPARCstorage Array
A1000	StorEdge A1000
D1000	StorEdge D1000
A3000	StorEdge A3000 (RSM Array 2000)
A3500	StorEdge A3500
A5000	Enterprise Network Array A5000
A5000	StorEdge A5000
A7000	StorEdge A7000

System Abbreviations

SC	SPARCcenter
SS	SPARCserver, SPARCstation, or SPARCsystem
A11	Ultra 1 Models 140 and 170
A12	Ultra 1 Models 140E, 170E, and 200E
A14	Ultra 2
A16	Ultra 30
A17	Ultra Enterprise 3000 Workstation
A18	Ultra Enterprise 4000 Workstation
A20	Ultra 450 Workstation
A21	Ultra 5
A22	Ultra 10
A23	Ultra 60
A25	Ultra Enterprise 450 Server
A26	Enterprise 250
E150	Ultra Enterprise 150
Ex000	Ultra Enterprise 3000/4000/5000/6000
Ex500	Enterprise 3500/4500/5500/6500

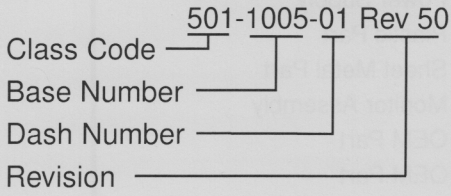
Class Codes

The first three digits of a Sun part number are the class code. Representative class codes are listed below.

CLASS CODE	DESCRIPTION
270-xxxx-xx	PCB Fabrication
300-xxxx-xx	Power Supply
330-xxxx-xx	Plastic Part
340-xxxx-xx	Sheet Metal Part
365-xxxx-xx	Monitor Assembly
370-xxxx-xx	OEM Part
375-xxxx-xx	OEM Part
500-xxxx-xx	Untested PCB
501-xxxx-xx	Tested PCB
520-xxxx-xx	Programmed IC
525-xxxx-xx	Programmed IC
530-xxxx-xx	Cable
540-xxxx-xx	Assembly
555-xxxx-xx	FRU Assembly
560-xxxx-xx	Shipping Kit
570-xxxx-xx	Electro Mechanical Assembly
595-xxxx-xx	Top Level Option Assembly
596-xxxx-xx	Configured Option Assembly
600-xxxx-xx	Top Level System Assembly
700-xxxx-xx	Software Tape
704-xxxx-xx	Software CD-ROM
790-xxxx-xx	Software Tape and Manual
794-xxxx-xx	Software CD-ROM and Manual
800-xxxx-xx	Sun Manual
801-xxxx-xx	Sun Manual
802-xxxx-xx	Sun Manual
804-xxxx-xx	CD-ROM Insert
805-xxxx-xx	Sun Manual
807-xxxx-xx	FCO Kit
813-xxxx-xx	Configuration Manual
825-xxxx-xx	Manual Set
855-xxxx-xx	Manual Set
950-xxxx-xx	Engineering Specification

Part Numbers

Sun part numbers consist of nine numerical digits separated with dashes (-) into three components; Class Code, Base Number, and Dash Number. A revision number or letter is used with each part number.



Class Codes identify similar parts.

Base Numbers are assigned sequentially. A higher base number does not necessarily indicate a new or improved part.

Higher/Lower Base Number Examples

PART#	DESCRIPTION	RELEASE DATE
300-1281	SC2000 Power Supply	3/28/95
300-1286	SC2000 Power Supply	9/19/94
501-2925	SM71 SuperSPARC 2.4.5	9/28/95
501-2940	SM71 SuperSPARC 2.3	6/05/95
501-3001	SM71 SuperSPARC 2.4.3	8/14/95
501-2324	SS20 CPU	1/10/94
501-2924	SS20 CPU	9/14/95
501-2961	SS20 CPU *	7/12/95

* 501-2961 is a screened and re-labeled 501-2324

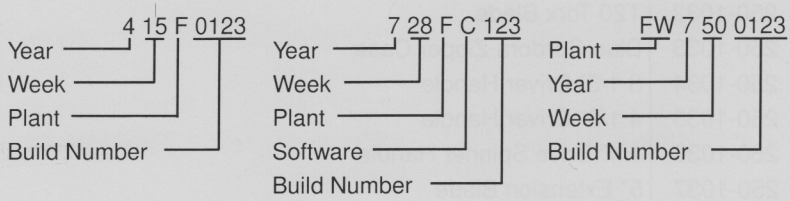
Dash Numbers are used to identify changes made to the part that effect form, fit, or function.

Revisions are used to identify changes made to the part that do not effect form, fit, or function.

System Serial Number

The serial number contains four or five fields of information: *

Year - year of manufacturer
Week - week of manufacturer
Plant - manufacturing location
Software - Begining in July 1997, systems manufactured with Shop Floor Execution use C up to fff units/week and D if more than fff units/week are built. The Shop Floor System did not use this field.
Build number - alphanumeric or hexadecimal build number



* The serial numbers for E10000s built in Beaverton are from 65000 to 65fff. The year, week, and plant fields are not used.

PLANT	LOCATION
C	Mountain View Building 4, California
F	Milpitas Building 4, California
G	Westford, Massachusetts
H	Singapore (Sun-3 Shoebox)
J	Melbourne, Florida (StorEdge A7000)
K	Milpitas Building 5, California
L	Milpitas Building 7, California (Specials Engineering)
M	Linlithgow, Scotland
N	Japan
P	Billerica, Massachusetts
R	Japan (used by Fuji Xerox)
T	Milpitas, California (Re-Manufacturing)
EH	Texas Instruments (SBus Expansion Subsystem)
FW	Freemont, California (Ultra 5 and Ultra 10)
HW	Hsinchu, Taiwan (Ultra 5 and Ultra 10)
TW	Telford, England (Ultra 5 and Ultra 10)
None	Beaverton, Oregon

Recommended Tools

Tools

PART #	DESCRIPTION
250-1028	Field Engineer Toolkit (Jensen JTK-679-1)
250-1024	T9 Torx Screwdriver
250-1025	T7 Torx Screwdriver
250-1026	T25 Torx Blade
250-1027	#2 Pozidrive Blade
250-1029	3/32" Hexdriver Blade
250-1030	7/64" Hexdriver Blade
250-1031	14 mm Deep Socket
250-1032	T20 Torx Blade
250-1033	Blue Cordora Zipper Case
250-1034	3 1/8" Driver Handle
250-1035	4 1/8" Driver Handle
250-1036	1/4" Drive Spinner Handle
250-1037	5" Extension Blade
250-1038	#1 Phillips Blade
250-1039	#2 Phillips Blade
250-1040	1/4" Slotted Blade
250-1041	3/16" Slotted Blade
250-1042	Alignment Tool
250-1043	Alignment Tool
250-1044	4 1/2" Miniature Diagonal Cutter
250-1045	5.25" Diagonal Cutting Pliers
250-1046	6.5" Thin Needlenose Pliers
250-1047	4" Adjustable Wrench
250-1048	6" Adjustable Wrench
250-1049	Crimping Tool/Wire Stripper
250-1050	Fluke 75 Digital Multimeter
250-1051	1.27 mm Hexdriver Blade
250-1052	1.5 mm Hexdriver Blade
250-1053	2 mm Hexdriver Blade
250-1054	2.5 mm Hexdriver Blade
250-1055	3 mm Hexdriver Blade
250-1056	4 mm Hexdriver Blade
250-1057	5 mm Hexdriver Blade

Recommended Tools

Tools - Continued

PART #	DESCRIPTION
250-1058	4 mm Nutdriver Blade
250-1059	4.5 mm Nutdriver Blade
250-1060	5 mm Nutdriver Blade
250-1061	5.5 mm Nutdriver Blade
250-1062	6 mm Nutdriver Blade
250-1063	7 mm Nutdriver Blade
250-1064	8 mm Nutdriver Blade
250-1065	9 mm Nutdriver Blade
250-1066	10 mm Nutdriver Blade
250-1067	11 mm Nutdriver Blade
250-1068	T15 Torx Blade

Power Screwdriver Kit

PART #	DESCRIPTION
250-1075	Cordless Power Screwdriver Kit (Jensen JTK-864)
250-1076	• Two Speed Power Screwdriver
250-1077	• Screwdriver Carrying Case
250-1078	• Screwdriver Battery Charger, 115V
250-1079	• Screwdriver Battery
250-1084	• Power Screwdriver Xcelite Adapter

Vacuum Cleaner Kit

PART #	DESCRIPTION
250-1080	Vacuum Cleaner Kit (Jensen JTK-863)
250-1081	• Vacuum Cleaner, 115V
250-1082	• Vacuum Cleaner Filters (qty 6)
250-1083	• Vacuum Cleaner Carrying Bag

Recommended Tools

Miscellaneous Tools

PART #	DESCRIPTION
240-1433	2 mm Hex Key
240-1716	AMP SIMM Extraction Tool (obsolete)
240-1718	EPROM Insertion Tool
240-1719	IC Extraction Tool
240-1822	Modified AMP SIMM Extraction Tool (obs)
240-1904	1/2" Open-End Wrench
250-1007	Disposable ESD Wrist Strap
250-1011	Slotted & 2 mm Hex Screwdriver
250-1072	1/2" x 1/2" Thin-Head Wrench for 56" Rack Levelers
250-1074	10-Inch End Cutter
250-1088	Sun ESD Mat with Sun Logo
330-1145	Disposable ESD Mat
330-1646	SS10 and SS20 SIMM Insertion Tool (order 560-1936)
330-1836	SS20 Fan Installation Tool
330-1852	SS Voyager Power Supply Extraction Tool
345-1131	SIMM Extraction Wire Tool (obsolete)
345-1132	SIMM Extraction Wire Tool (obsolete)
None	T8 Torx Blade (Xcelite 99-8XTD)
None	T10 Torx Blade (Xcelite 99-10XTD)
370-1906	90° L-Key T10 Torx
370-1907	90° L-Key T15 Torx
560-1763	SIMM Extraction Tool Kit
345-1184	• Machined SIMM Extraction Tool 345-1184-01 (obsolete)
345-1184	• Diecast SIMM Extraction Tool 345-1184-02
560-2317	Torque Wrench Kit
250-1240	• 3/32" Hex Bit x 2" Length
250-1239	• Adjustable Torque Wrench, 2-12 In/Lb, +/-3% accuracy
560-2324	Torque Wrench Kit, United Kingdom
250-1241	• 3/32" Hex Bit
250-1242	• Fixed 6 In/Lb Torque Wrench
560-2433	Torque Wrench Kit
230-1578	• Acid Brush
None	• 3/32" Hex Bit
250-1353	• Fixed 6 In/Lb Torque Wrench

4M SYSTEM

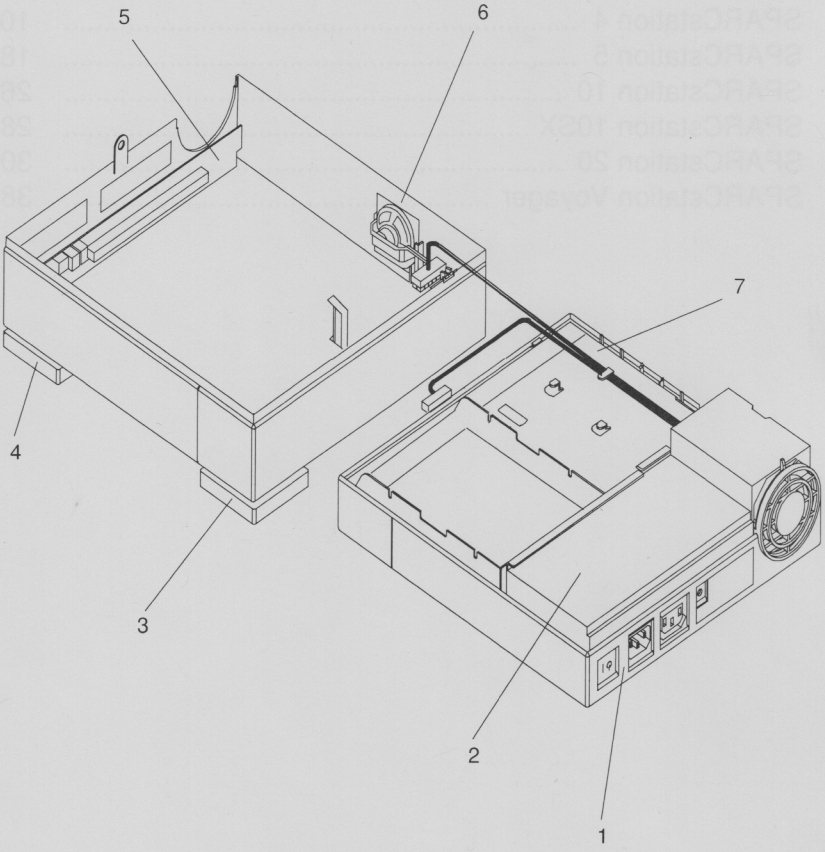
4M SYSTEM

PARTS BREAKDOWN

4m SYSTEM

SPARCclassic X Sun-4/10

2-Slot SBus Logic Enclosure



Sun-4m System

Sun-4m Architecture

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SPARCclassic X Sun-4/10

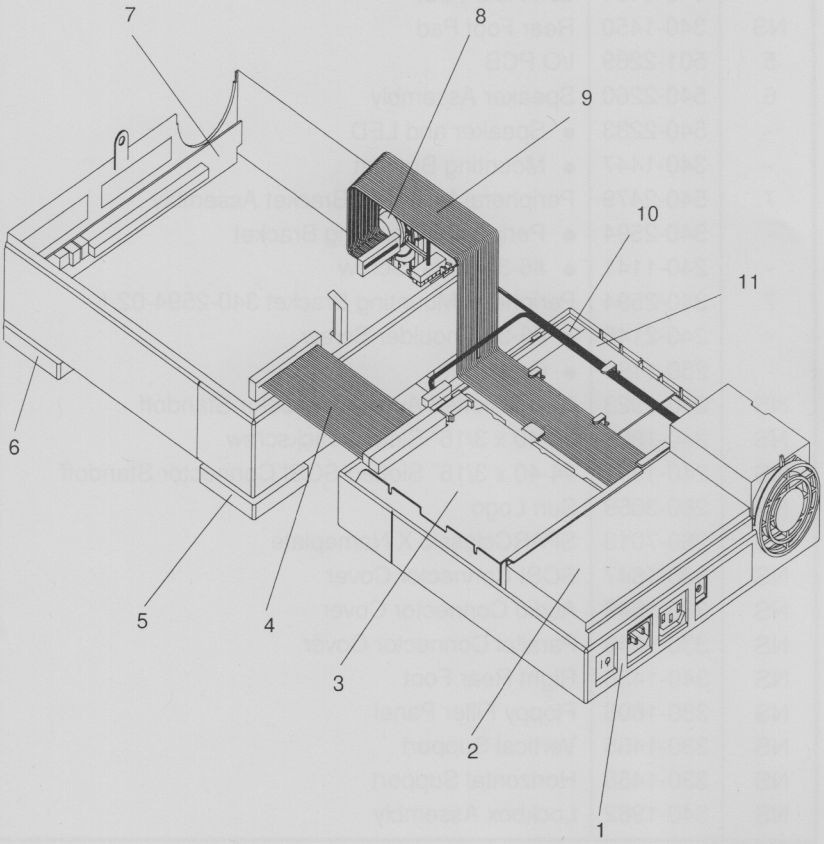
2-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2231	Top Cover Assembly
2	300-1101	70 Watt Power Supply
3	340-1214	Front Foot
4	340-1451	Left Rear Foot
NS	340-1450	Rear Foot Pad
5	501-2269	I/O PCB
6	540-2260	Speaker Assembly
-	540-2233	• Speaker and LED
-	340-1447	• Mounting Bracket
7	540-2479	Peripheral Mounting Bracket Assembly
-	340-2594	• Peripheral Mounting Bracket
-	240-1141	• #6-32 x 1/4" Screw
7	340-2594	Peripheral Mounting Bracket 340-2594-02 [1]
-	240-2145	• #6-32 Shoulder Screw
-	250-1199	• Grommet
NS	240-1923	#4-40 Slotted Audio Connector Standoff
NS	240-1951	#4-40 x 3/16" Slotted Jackscrew
NS	240-1961	#4-40 x 3/16" Slotted SCSI Connector Standoff
NS	260-3059	Sun Logo
NS	260-7018	SPARCclassic X Nameplate
NS	330-1647	SCSI Connector Cover
NS	330-1648	Audio Connector Cover
NS	330-1649	Parallel Connector Cover
NS	340-1456	Right Rear Foot
NS	330-1606	Floppy Filler Panel
NS	330-1455	Vertical Support
NS	330-1458	Horizontal Support
NS	540-1982	Lockbox Assembly

[1] Bracket 340-2594-02, introduced in December 1993, improves disk drive shock and vibration resistance.

SPARCclassic Sun-4/15

2-Slot SBus Logic Enclosure



SPARCclassic Sun-4/15

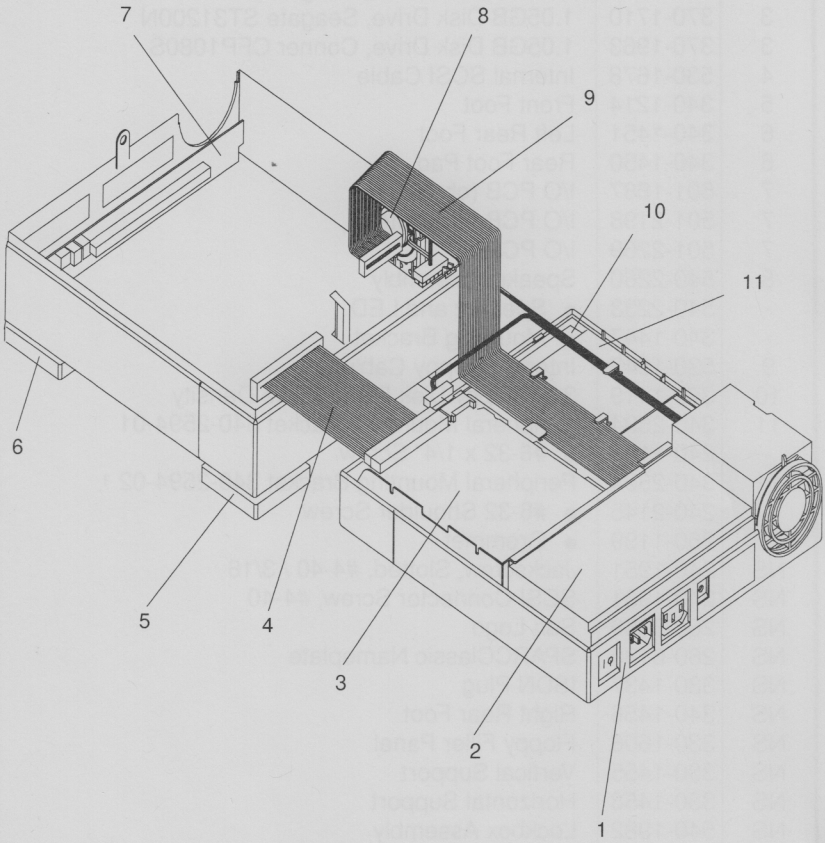
2-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2231	Top Cover Assembly
2	300-1101	70 Watt Power Supply
3	370-1417	207MB Disk Drive, Conner CP30200
3	370-1392	424MB Disk Drive, Seagate ST1480N
3	370-1684	535MB Disk Drive, Conner CP30540
3	370-1843	535MB Disk Drive, Seagate ST5660N
3	370-1546	1.05GB Disk Drive, Seagate ST11200N
3	370-1710	1.05GB Disk Drive, Seagate ST31200N
3	370-1963	1.05GB Disk Drive, Conner CFP1080S
4	530-1678	Internal SCSI Cable
5	340-1214	Front Foot
6	340-1451	Left Rear Foot
6	340-1450	Rear Foot Pad
7	501-1887	I/O PCB (obsolete)
7	501-2198	I/O PCB (obsolete)
7	501-2269	I/O PCB
8	540-2260	Speaker Assembly
-	540-2233	• Speaker and LED
-	340-1447	• Mounting Bracket
9	530-1643	Internal Floppy Cable
10	370-1419	3.5" Floppy Disk Drive, Triple Density
11	340-2594	Peripheral Mounting Bracket 340-2594-01
-	240-1141	• #6-32 x 1/4" Screw
11	340-2594	Peripheral Mounting Bracket 340-2594-02 [1]
-	240-2145	• #6-32 Shoulder Screw
-	250-1199	• Grommet
NS	240-1951	Jackscrew, Slotted, #4-40 / 3/16
NS	240-1961	SCSI Connector Screw, #4-40
NS	260-3059	Sun Logo
NS	260-6130	SPARCClassic Nameplate
NS	330-1437	ISDN Plug
NS	340-1456	Right Rear Foot
NS	330-1606	Floppy Filler Panel
NS	330-1455	Vertical Support
NS	330-1458	Horizontal Support
NS	540-1982	Lockbox Assembly
	801-2176	*SPARCclassic/SPARCstation LX Service Manual*

[1] Bracket 340-2594-02, introduced in December 1993, improves disk drive shock and vibration resistance.

SPARCstation LX/ZX Sun-4/30

2-Slot SBus Logic Enclosure



SPARCstation LX/ZX Sun-4/30

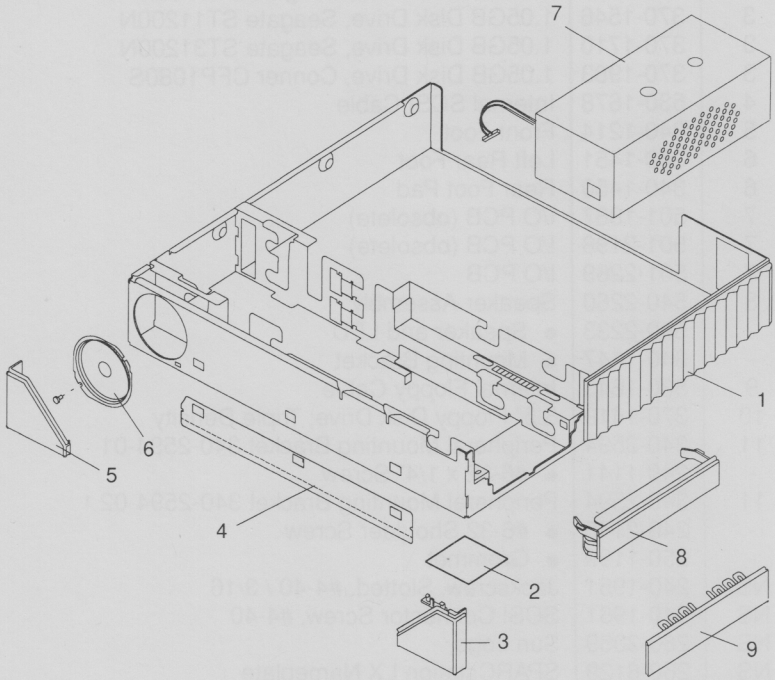
2-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2231	Top Cover Assembly
2	300-1101	70 Watt Power Supply
3	370-1417	207MB Disk Drive, Conner CP30200
3	370-1392	424MB Disk Drive, Seagate ST1480N
3	370-1684	535MB Disk Drive, Conner CP30540
3	370-1843	535MB Disk Drive, Seagate ST5660N
3	370-1546	1.05GB Disk Drive, Seagate ST11200N
3	370-1710	1.05GB Disk Drive, Seagate ST31200N
3	370-1963	1.05GB Disk Drive, Conner CFP1080S
4	530-1678	Internal SCSI Cable
5	340-1214	Front Foot
6	340-1451	Left Rear Foot
6	340-1450	Rear Foot Pad
7	501-1887	I/O PCB (obsolete)
7	501-2198	I/O PCB (obsolete)
7	501-2269	I/O PCB
8	540-2260	Speaker Assembly
-	540-2233	• Speaker and LED
-	340-1447	• Mounting Bracket
9	530-1643	Internal Floppy Cable
10	370-1419	3.5" Floppy Disk Drive, Triple Density
11	340-2594	Peripheral Mounting Bracket 340-2594-01
-	240-1141	• #6-32 x 1/4" Screw
11	340-2594	Peripheral Mounting Bracket 340-2594-02 [1]
-	240-2145	• #6-32 Shoulder Screw
-	250-1199	• Grommet
NS	240-1951	Jackscrew, Slotted, #4-40 / 3/16
NS	240-1961	SCSI Connector Screw, #4-40
NS	260-3059	Sun Logo
NS	260-6129	SPARCstation LX Nameplate
NS	260-7939	SPARCstation ZX Nameplate
NS	330-1437	ISDN Plug
NS	340-1456	Right Rear Foot
NS	330-1606	Floppy Filler Panel
NS	330-1455	Vertical Support
NS	330-1458	Horizontal Support
NS	540-2220	Speakerbox Assembly
NS	540-1982	Lockbox Assembly
	801-2176	*SPARCclassic/SPARCstation LX Service Manual*

[1] Bracket 340-2594-02, introduced in December 1993, improves disk drive shock and vibration resistance.

SPARC Xterminal 1

1-Slot SBus Logic Enclosure



SPARC Xterminal 1

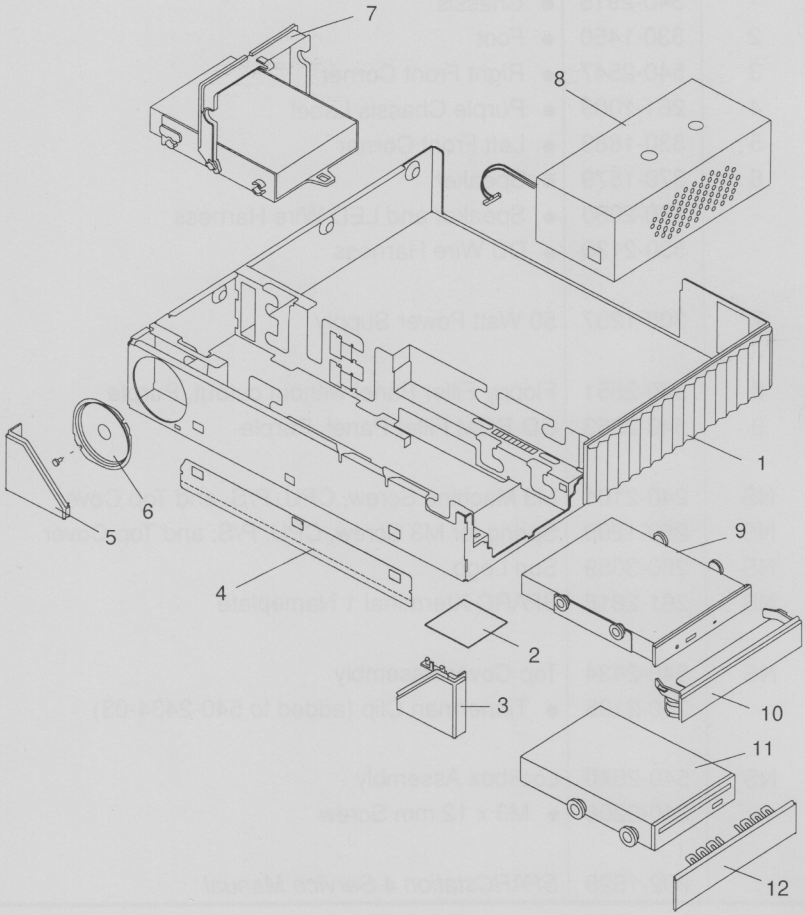
1-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2578	Base Assembly
-	240-1530	• M3 x 6 mm Screw, Speaker Assembly
-	340-2915	• Chassis
2	330-1450	• Foot
3	540-2547	• Right Front Corner
4	261-1009	• Purple Chassis Label
5	330-1683	• Left Front Corner
6	370-1579	• Speaker
-	530-2080	• Speaker and LED Wire Harness
-	530-2130	• DC Wire Harness
7	300-1257	50 Watt Power Supply
8	540-2551	Floppy Filler Panel without cutout, Purple
9	540-2553	CD-ROM Filler Panel, Purple
NS	240-2101	M3 Machine Screw, CPU, P/S, and Top Cover
NS	250-1200	Spring for M3 Screw, CPU, P/S, and Top Cover
NS	260-3059	Sun Logo
NS	261-2818	SPARC Xterminal 1 Nameplate
NS	540-2434	Top Cover Assembly
-	240-2195	• Tinnerman Clip (added to 540-2434-03)
NS	540-2540	Lockbox Assembly
-	240-2206	• M3 x 12 mm Screw
	802-1529	*SPARCstation 4 Service Manual*

SPARCstation 4

SS4 Netra *i*4 Netra *i*400 Netra *j*4

1-Slot SBus Logic Enclosure



SPARCstation 4

SS4 Netra *i*4 Netra *i*400 Netra *j*4

1-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2664	Base Assembly (phased out Nov/Dec 1996)
-	240-1530	• M3 x 6 mm Screw, Speaker Assembly
-	340-2915	• Chassis
-	540-2548	• Right Side Vent Panel
2	330-1450	• Foot
3	540-2547	• Right Front Corner
4	261-1009	• Purple Chassis Label
5	330-1683	• Left Front Corner
6	370-1579	• Speaker
-	530-2130	• DC Wire Harness
-	530-2080	• Speaker and LED Wire Harness
7	540-2443	535MB Disk Drive FRU Assembly
7	540-2631	535MB Disk Drive FRU Assembly
-	370-1425	• 535MB Disk Drive (≤540-2443-03)
-	370-1425	• 535MB Disk Drive (540-2631-xx)
-	370-1844	• 535MB Disk Drive (≥540-2443-04)
-	240-2208	• #6-32 x 1/4" Screw
-	540-2570	• Mounting Bracket
NS	530-2146	Internal SCSI Cable, Disk Drive, 33 mm
7	540-2560	1.05GB Disk Drive FRU (discontinued 6/95)
7	540-2733	1.05GB Disk Drive FRU
-	240-2208	• #6-32 x 1/4" Screw
-	370-1753	• 1.05GB Disk Drive, Seagate ST31200WC
-	370-1964	• 1.05GB Disk Drive, Conner CFP1080E
-	540-2570	• Mounting Bracket
NS	530-2146	Internal SCSI Cable, Disk Drive, 33 mm
8	300-1257	50 Watt Power Supply
8	300-1279	150 Watt Power Supply [1]

[1] Power Supply 300-1279 is used in SPARCserver 4 configurations because the 150 Watt power supply supports the power state memory feature. SPARCstation 4 configurations use Power Supply 300-1257.

SPARCstation 4

SS4 Netra *i*4 Netra *i*400 Netra *j*4

1-Slot SBus Logic Enclosure- Continued

CODE	PART #	DESCRIPTION
9	540-2500	CD-ROM FRU Assembly
-	240-1463	• #6-32 x 1/4" Screw
-	240-2086	• M3 x 4 mm Screw
-	330-1748	• Mounting Grommet
-	340-3046	• Mounting Bracket
-	370-1679	• CD-ROM Drive
NS	530-2079	CD-ROM to Audio Module Cable, 435 mm
NS	530-2129	Internal SCSI Cable, CD-ROM, 350 mm
10	540-2553	CD-ROM Filler Panel, Purple
11	540-2509	Floppy Drive FRU Assembly
-	240-2121	• #6-32 Shoulder Screw
-	330-1748	• Drive Mounting Grommet
-	370-1419	• Floppy Drive
11	370-2151	Floppy Drive FRU (replaced 540-2509 12/95)
-	240-1530	• M3 x 6 mm Screw
-	240-2295	• M3 Shoulder Screw
NS	530-2067	Internal Floppy Cable, 190 mm
12	540-2551	Floppy Filler Panel without cutout, Purple
12	540-2552	Floppy Filler Panel with cutout, Purple
NS	240-2101	M3 Machine Screw, CPU, P/S, and Top Cover
NS	250-1200	Spring for M3 Screw, CPU, P/S, and Top Cover
NS	260-3059	Sun Logo
NS	261-2699	SPARCstation 4 Nameplate
NS	261-4380	SPARCserver 4 Nameplate
NS	261-4598	Netra *i* Nameplate
NS	540-2434	Top Cover Assembly
NS	240-2195	• Tinnerman Clip (added to 540-2434-03)
NS	540-2540	Lockbox Assembly
-	240-2206	• M3 x 12 mm Screw
	802-1529	*SPARCstation 4 Service Manual*

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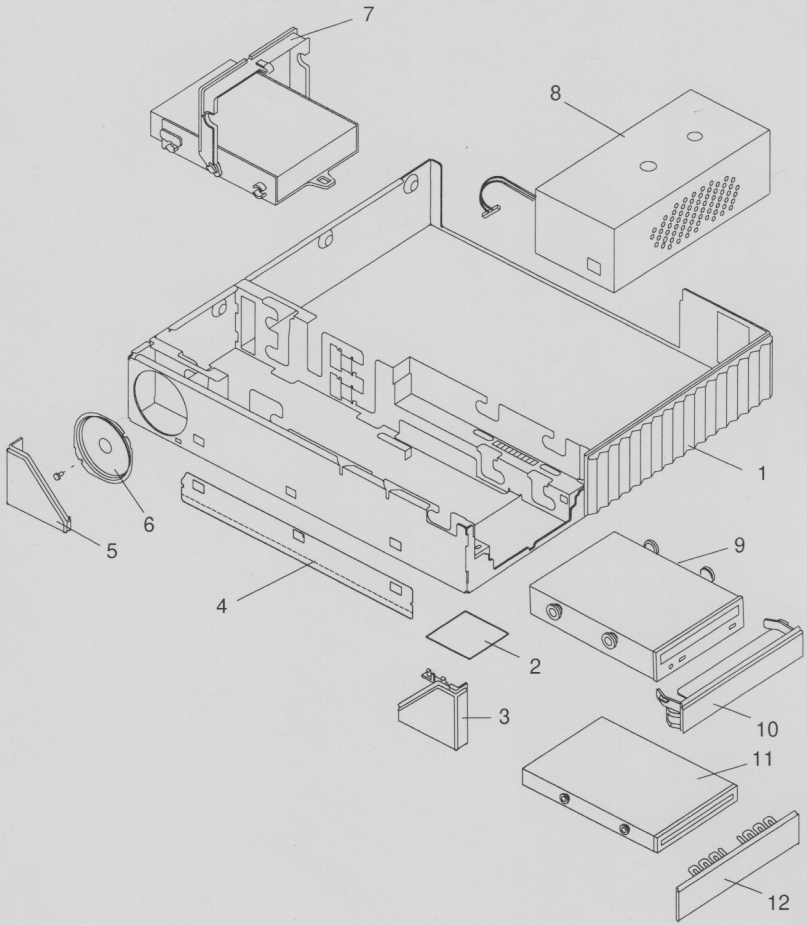
SPARCstation 4

SS4 Netra *i*4 Netra *i*400 Netra *j*4

1-Slot SBus Logic Enclosure



SPARCstation 4

SS4 Netra *i*4 Netra *i*400 Netra *j*4

1-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2902	Base Assembly (phased in July 1996)
-	240-1530	• M3 x 6 mm Screw, Speaker Assembly
-	340-3397	• Chassis
-	540-2847	• Right Side Vent Panel
2	330-1450	• Foot
3	540-2848	• Right Front Corner
4	261-1009	• Purple Chassis Label
5	330-1683	• Left Front Corner
6	370-1579	• Speaker
-	530-2302	• DC Wire Harness
-	530-2291	• Speaker and LED Wire Harness (obsolete)
-	530-2341	• Speaker and LED Wire Harness
7	540-2733	1.05GB Disk Drive FRU
-	240-2208	• #6-32 x 1/4" Screw
-	370-1753	• 1.05GB Disk Drive, Seagate ST31200WC
-	370-1964	• 1.05GB Disk Drive, Conner CFP1080E
-	540-2570	• Mounting Bracket
-	530-2146	Internal SCSI Cable, Disk Drive, 33 mm
7	540-2875	1.05GB Disk Drive FRU
-	240-2182	• #6-32 x 3/16" Screw
-	370-1964	• 1.05GB Disk Drive, Conner CFP1080E
-	370-2168	• 1.05GB Disk Drive, Quantum 1080S
-	540-2570	• Mounting Bracket
-	530-2146	Internal SCSI Cable, Disk Drive, 33 mm
8	300-1257	50 Watt Power Supply
8	300-1279	150 Watt Power Supply [1]

[1] Power Supply 300-1279 is used in SPARCserver 4 configurations because the 150 Watt power supply supports the power state memory feature. SPARCstation 4 configurations use Power Supply 300-1257.

SPARCstation 4

SS4 Netra *i*4 Netra *i*400 Netra *j*4

1-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
9	540-2852	SunCD 4 CD-ROM FRU Assembly
-	240-2295	• M3 Shoulder Screw
-	330-2036	• Mounting Grommet
-	370-2102	• SunCD 4 CD-ROM Drive
NS	530-2280	CD-ROM to Audio Module Cable, 435 mm
NS	530-2129	Internal SCSI Cable, CD-ROM, 350 mm
10	540-2845	CD-ROM Filler Panel, Light Grey
11	540-2854	Floppy Drive FRU Assembly
-	240-2318	• M2.5 x 3 mm Screw
-	330-2036	• Mounting Grommet
-	340-3401	• Mounting Bracket
-	370-2302	• Floppy Drive
NS	530-2277	Internal Floppy Cable, 250 mm
12	540-2846	Floppy Filler Panel without cutout, Light Grey
12	540-2853	Floppy Filler Panel with cutout, Light Grey

SPARCstation 4

SS4 Netra *i*4 Netra *i*400 Netra *j*4

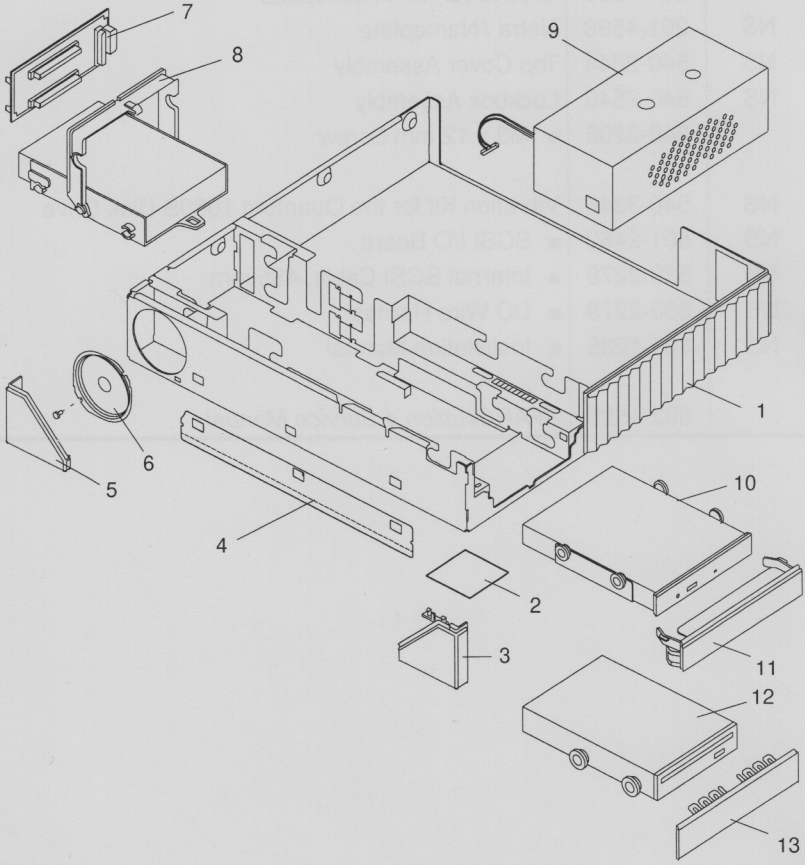
1-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
NS	240-2101	M3 Machine Screw, CPU, P/S, and Top Cover
NS	250-1200	Spring for M3 Screw, CPU, P/S, and Top Cover
NS	260-3059	Sun Logo
NS	261-2699	SPARCstation 4 Nameplate
NS	261-4380	SPARCserver 4 Nameplate
NS	261-4598	Netra *i* Nameplate
NS	540-2844	Top Cover Assembly
NS	540-2540	Lockbox Assembly
-	240-2206	• M3 x 12 mm Screw
NS	540-3346	Vibration Kit for the Quantum 1080S Disk Drive
NS	501-2462	• SCSI I/O Board
NS	530-2278	• Internal SCSI Cable, 485 mm
NS	530-2279	• DC Wire Harness
NS	805-1235	• Installation Manual
	802-1529	*SPARCstation 4 Service Manual*

SPARCstation 5

SS5 Netra *i*5 Netra *s*5 Netra *i*500 Netra *i*525

3-Slot SBus Logic Enclosure



SPARCstation 5

SS5 Netra *i*5 Netra *s*5 Netra *i*500 Netra *i*525

3-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2438	Base Assembly (phased out Nov/Dec 1996)
-	240-1530	• M3 x 6 mm Screw, Speaker Assembly
-	340-2915	• Chassis
-	540-2548	• Right Side Vent Panel
2	330-1450	• Foot
3	540-2547	• Right Front Corner
4	261-1009	• Purple Chassis Label
5	330-1683	• Left Front Corner
6	370-1579	• Speaker
7	501-2462	• SCSI I/O Board
-	240-2159	• M2 x 5 mm Screw
-	330-1753	• Bracket
-	530-2053	• Internal SCSI Cable, 660 mm
-	530-2066	• DC Wire Harness
-	530-2080	• Speaker and LED Wire Harness
8	540-2443	535MB Disk Drive FRU Assembly
-	240-2208	• #6-32 x 1/4" Screw
-	370-1425	• 535MB Disk Drive
-	370-1844	• 535MB Disk Drive
-	540-2570	• Mounting Bracket
8	540-2560	1.05GB Disk Drive FRU Assembly
-	370-1753	• 1.05GB Disk Drive, Seagate ST31200WC
-	370-1822	• 1.05GB Disk Drive, Conner CFP1060E
-	370-1964	• 1.05GB Disk Drive, Conner CFP1080E
-	370-2072	• 1.05GB Disk Drive, IBM DPES-31080
-	370-2168	• 1.05GB Disk Drive, Quantum
-	540-2570	• Mounting Bracket
8	540-2699	2.1GB Disk Drive FRU Assembly
-	370-1930	• 2.1GB Disk Drive, Conner CFP2105E
-	370-2071	• 2.1GB Disk Drive, Seagate ST32430WC
	370-2314	• 2.1GB Disk Drive, Seagate ST32155WC
-	370-2315	• 2.1GB Disk Drive, IBM DORS-32160
-	370-2842	• 2.1GB Disk Drive, IBM DCAS-32160
-	540-2570	• Mounting Bracket

SPARCstation 5

SS5 Netra *i*5 Netra *s*5 Netra *i*500 Netra *i*525

3-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
9	300-1215	150 Watt Power Supply (obsolete)
9	300-1279	150 Watt Power Supply
9	540-2657	Nordic Country Power Supply Assembly
-	300-1279	• 150 Watt Power Supply
-	370-1873	• Noise Kit
10	540-2500	CD-ROM FRU Assembly
-	240-1463	• #6-32 x 1/4" Screw
-	240-2086	• M3 x 4 mm Screw
-	330-1748	• Mounting Grommet
-	340-3046	• Mounting Bracket
-	370-1679	• CD-ROM Drive
NS	530-2079	CD-ROM to CPU Audio Cable, 435 mm
11	540-2553	CD-ROM Filler Panel, Purple
12	540-2509	Floppy Drive FRU Assembly
-	240-2121	• #6-32 Shoulder Screw
-	330-1748	• Drive Mounting Grommet
-	370-1419	• Floppy Drive
12	370-2151	Floppy Drive FRU (replaced 540-2509 12/95)
-	240-1530	• M3 x 6 mm Screw
-	240-2295	• M3 Shoulder Screw
NS	530-2067	Internal Floppy Cable, 190 mm
13	540-2551	Floppy Filler Panel without cutout, Purple
13	540-2552	Floppy Filler Panel with cutout, Purple
NS	240-2101	M3 Machine Screw, CPU, P/S, and Top Cover
NS	250-1200	Spring for M3 Screw, CPU, P/S, and Top Cover
NS	260-3059	Sun Logo
NS	260-6483	SPARCstation 5 Nameplate
NS	261-2082	SPARCserver 5 Nameplate
NS	261-4598	Netra *i* Nameplate
NS	261-4599	Netra *s* Nameplate
NS	540-2434	Top Cover Assembly
-	240-2195	• Tinnerman Clip (added to 540-2434-03)
NS	540-2540	Lockbox Assembly

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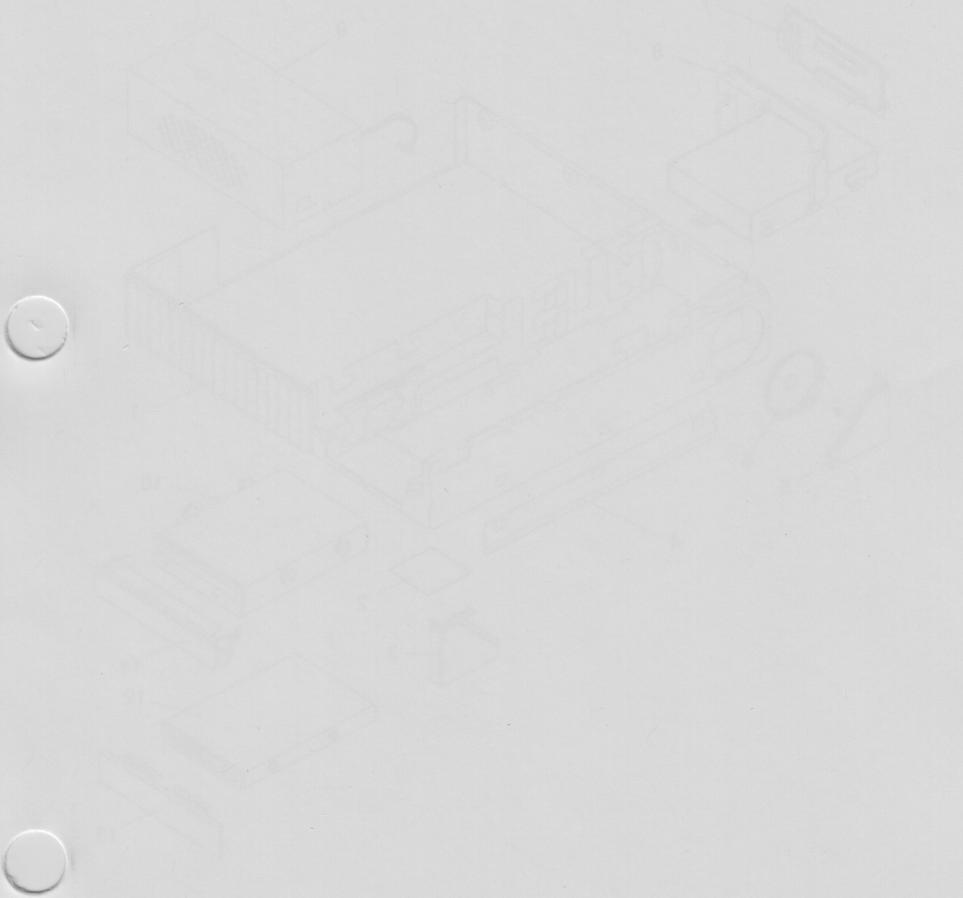
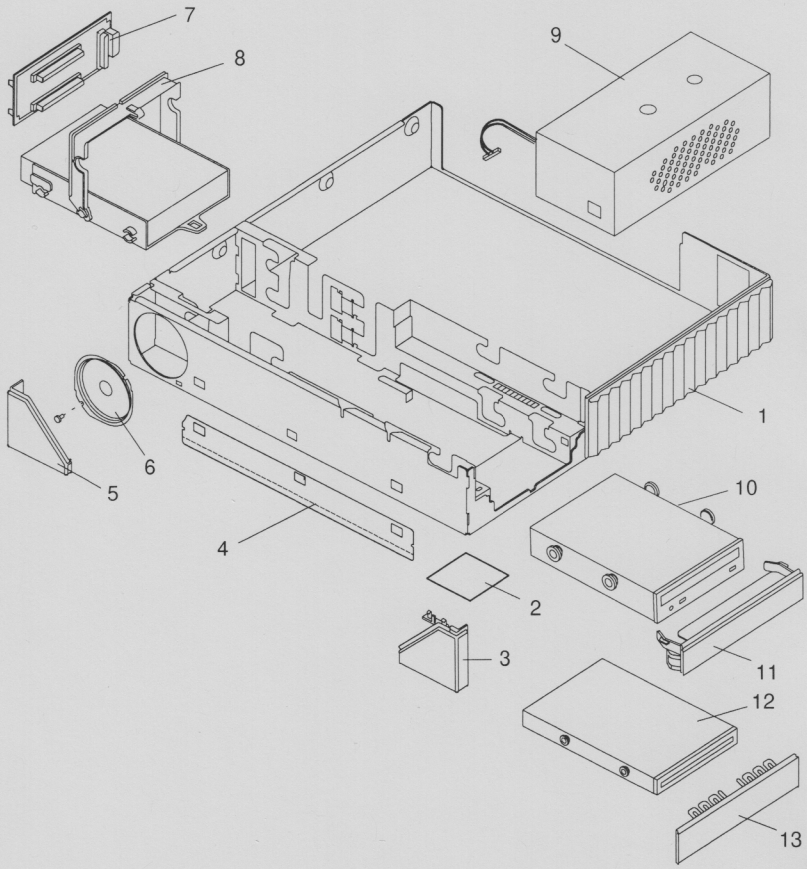


SPARCstation 5

SS5 Netra *i* 5 Netra *j* 5/170

3-Slot SBus Logic Enclosure



SPARCstation 5

SS5 Netra *i* 5 Netra *j* 5/170

3-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2850	Base Assembly (phased in July 1996)
-	240-1530	• M3 x 6 mm Screw, Speaker Assembly
-	340-3397	• Chassis
-	540-2847	• Right Side Vent Panel
2	330-1450	• Foot
3	540-2848	• Right Front Corner
4	261-1009	• Purple Chassis Label
5	330-1683	• Left Front Corner
6	370-1579	• Speaker
7	501-2462	• SCSI I/O Board
-	240-2159	• M2 x 5 mm Screw
-	330-1753	• Bracket
-	530-2278	• Internal SCSI Cable, 485 mm
-	530-2279	• DC Wire Harness
-	530-2291	• Speaker and LED Wire Harness (obsolete)
-	530-2341	• Speaker and LED Wire Harness
8	540-2560	1.05GB Disk Drive FRU Assembly
-	370-1753	• 1.05GB Disk Drive, Seagate ST31200WC
-	370-1822	• 1.05GB Disk Drive, Conner CFP1060E
-	370-1964	• 1.05GB Disk Drive, Conner CFP1080E
-	370-2072	• 1.05GB Disk Drive, IBM DPES-31080
-	370-2168	• 1.05GB Disk Drive, Quantum 1080S
-	540-2570	• Mounting Bracket
8	540-2699	2.1GB Disk Drive FRU Assembly
-	370-1930	• 2.1GB Disk Drive, Conner CFP2105E
-	370-2071	• 2.1GB Disk Drive, Seagate ST32430WC
-	240-2314	• 2.1GB Disk Drive, Seagate ST32155WC
-	370-2315	• 2.1GB Disk Drive, IBM DORS-32160
-	370-2842	• 2.1GB Disk Drive, IBM DCAS-32160
-	540-2570	• Mounting Bracket
9	300-1279	150 Watt Power Supply
9	540-2657	Nordic Country Power Supply Assembly
-	300-1279	• 150 Watt Power Supply
-	370-1873	• Noise Kit

SPARCstation 5

SS5 Netra *i* 5 Netra *j* 5/170

3-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
10	540-2852	SunCD 4 CD-ROM FRU Assembly
-	240-2295	• M3 Shoulder Screw
-	330-2036	• Mounting Grommet
-	370-2102	• SunCD 4 CD-ROM Drive
10	540-2901	SunCD 12x CD-ROM Assembly
-	240-2295	• M3 Shoulder Screw
-	330-2036	• Mounting Grommet
-	370-2816	• 12X CD-ROM Drive
NS	530-2280	CD-ROM to CPU Audio Cable, 435 mm
11	540-2845	CD-ROM Filler Panel, Light Grey
12	540-2854	Floppy Drive FRU Assembly
-	240-2318	• M2.5 x 3 mm Screw
-	330-2036	• Mounting Grommet
-	340-3401	• Mounting Bracket
-	370-2302	• Floppy Drive
NS	530-2277	Internal Floppy Cable, 250 mm
13	540-2846	Floppy Filler Panel without cutout, Light Grey
13	540-2853	Floppy Filler Panel with cutout, Light Grey
NS	240-2101	M3 Machine Screw, CPU, P/S, and Top Cover
NS	250-1200	Spring for M3 Screw, CPU, P/S, and Top Cover
NS	260-3059	Sun Logo
NS	260-6483	SPARCstation 5 Nameplate
NS	261-2082	SPARCserver 5 Nameplate
NS	261-4598	Netra *i* Nameplate
NS	261-4599	Netra *s* Nameplate
NS	540-2844	Top Cover Assembly
NS	540-2540	Lockbox Assembly
-	240-2206	• M3 x 12 mm Screw

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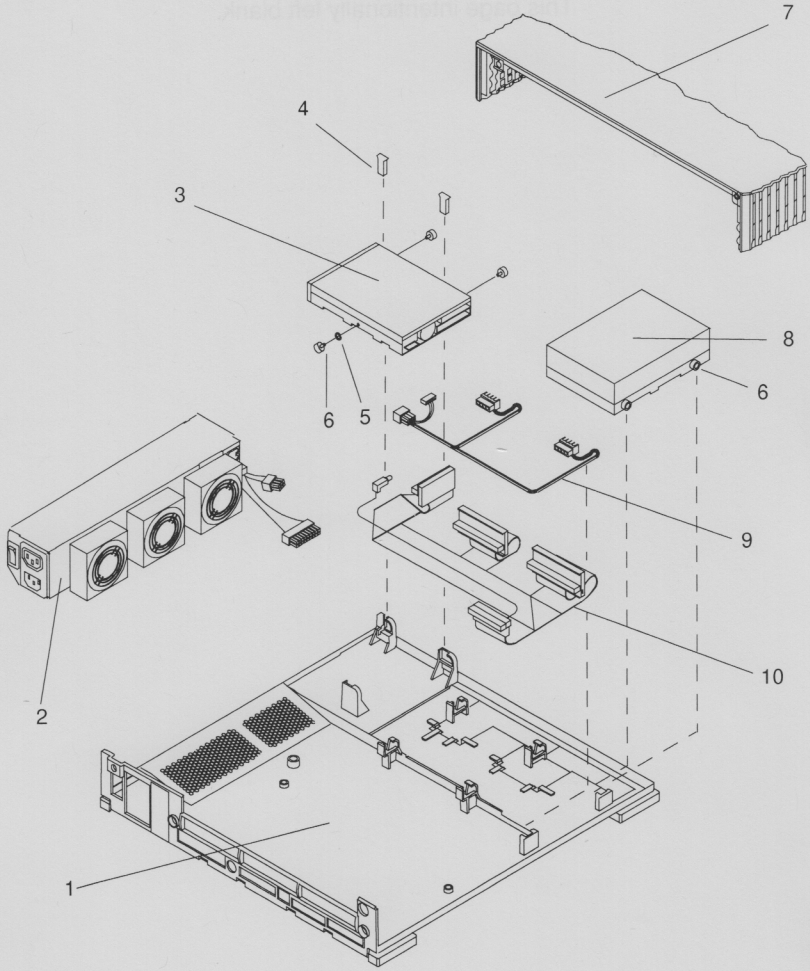
SPARCstation 10

4-Slot SBus Logic Enclosure



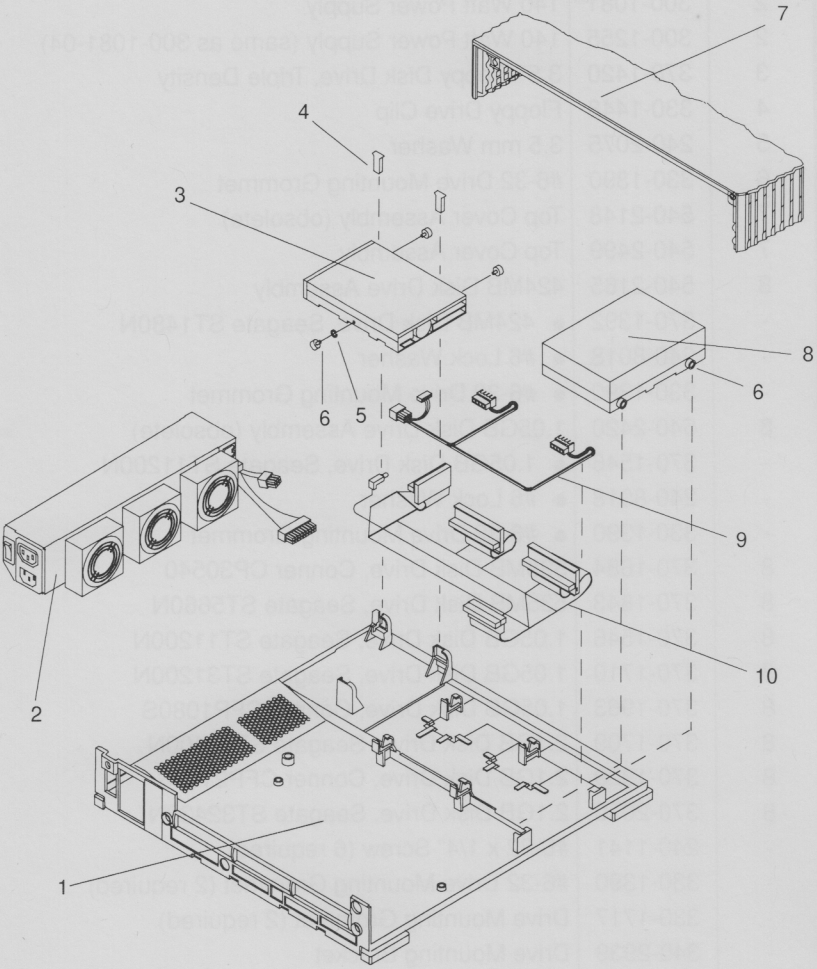
SPARCstation 10

4-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	599-1846	Base Assy (replaced 540-2498 and 540-2150)
-	540-2512	Base Sub Assy (replaced 540-2151)
2	300-1081	140 Watt Power Supply
2	300-1255	140 Watt Power Supply (same as 300-1081-04)
3	370-1420	3.5" Floppy Disk Drive, Triple Density
4	330-1448	Floppy Drive Clip
5	240-2075	3.5 mm Washer
6	330-1390	#6-32 Drive Mounting Grommet
7	540-2148	Top Cover Assembly (obsolete)
7	540-2499	Top Cover Assembly
8	540-2165	424MB Disk Drive Assembly
-	370-1392	• 424MB Disk Drive, Seagate ST1480N
-	240-8018	• #6 Lock Washer
-	330-1390	• #6-32 Drive Mounting Grommet
8	540-2420	1.05GB Disk Drive Assembly (obsolete)
-	370-1546	• 1.05GB Disk Drive, Seagate ST11200N
-	240-8018	• #6 Lock Washer
-	330-1390	• #6-32 Drive Mounting Grommet
8	370-1684	535MB Disk Drive, Conner CP30540
8	370-1843	535MB Disk Drive, Seagate ST5660N
8	370-1546	1.05GB Disk Drive, Seagate ST11200N
8	370-1710	1.05GB Disk Drive, Seagate ST31200N
8	370-1963	1.05GB Disk Drive, Conner CFP1080S
8	370-1709	2.1GB Disk Drive, Seagate ST12400N
8	370-1929	2.1GB Disk Drive, Conner CFP2105S
8	370-2070	2.1GB Disk Drive, Seagate ST32430N
-	240-1141	#6-32 x 1/4" Screw (6 required)
-	330-1390	#6-32 Drive Mounting Grommet (2 required)
-	330-1717	Drive Mounting Grommet (2 required)
-	340-2939	Drive Mounting Bracket
9	530-1848	DC Power Harness
10	530-1847	LED, SCSI, and Floppy Cable Assembly
NS	260-3059	Sun Logo
NS	260-5927	SPARCstation 10 Nameplate

SPARCstation 10SX

4-Slot SBus Logic Enclosure



SPARCstation 10SX

4-Slot SBus Logic Enclosure

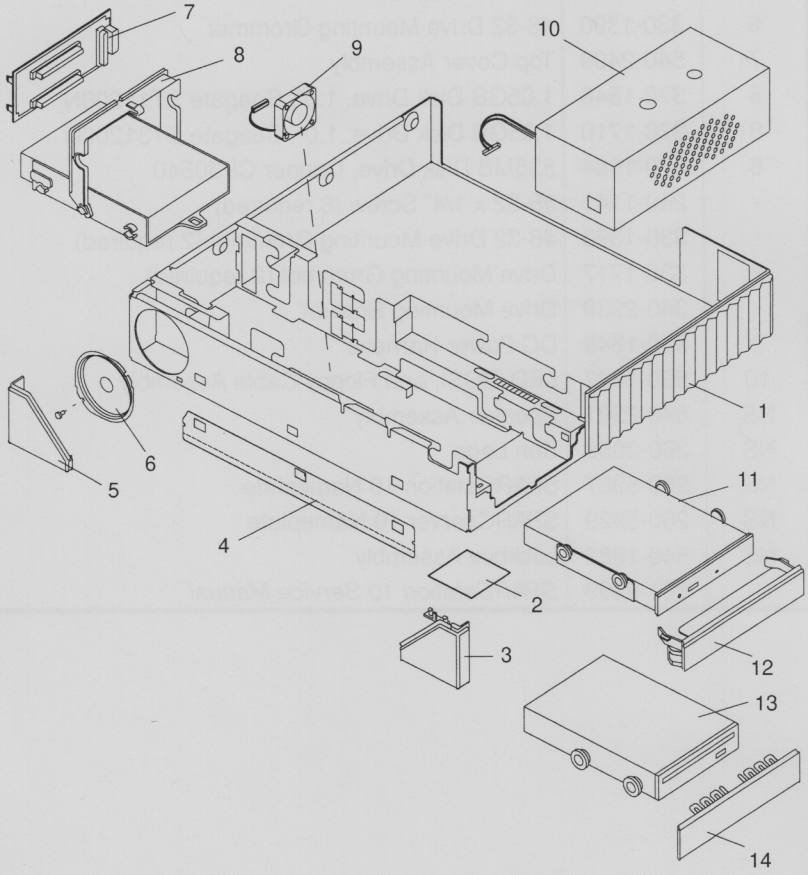
CODE	PART #	DESCRIPTION
1	540-2533	Base Assembly
2	300-1081	140 Watt Power Supply [1]
3	370-1420	3.5" Floppy Disk Drive, Triple Density
4	330-1448	Floppy Drive Clip
5	240-2075	3.5 mm Washer
6	330-1390	#6-32 Drive Mounting Grommet
7	540-2499	Top Cover Assembly
8	370-1546	1.05GB Disk Drive, 1.5", Seagate ST11200N
8	370-1710	1.05GB Disk Drive, 1.0", Seagate ST31200N
8	370-1684	535MB Disk Drive, Conner CP30540
-	240-1141	#6-32 x 1/4" Screw (6 required)
-	330-1390	#6-32 Drive Mounting Grommet (2 required)
-	330-1717	Drive Mounting Grommet (2 required)
-	340-2939	Drive Mounting Bracket
9	530-1848	DC Power Harness
10	530-1847	LED, SCSI, and Floppy Cable Assembly
NS	540-2501	Speaker Assembly
NS	260-3059	Sun Logo
NS	260-5927	SPARCstation 10 Nameplate
NS	260-5929	SPARCserver 10 Nameplate
NS	540-1982	Lockbox Assembly
	801-6399	*SPARCstation 10 Service Manual*

[1] Power Supply 300-1081-05 is required to maintain the European Community safety agency approval for the CE mark.

SPARCstation 20

SS20 Netra *i*20 Netra *s*20 Netra *i*600 Netra *i*625

4-Slot SBus Logic Enclosure



SPARCstation 20

SS20 Netra *i*20 Netra *s*20 Netra *i*600 Netra *i*625

4-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2438	Base Assembly (phased out Nov/Dec 1996)
-	240-1530	• M3 x 6 mm Screw, Speaker Assembly
-	340-2915	• Chassis
-	540-2548	• Right Side Vent Panel (TurboZX requires 2548-02)
2	330-1450	• Foot
3	540-2547	• Right Front Corner
4	261-1009	• Purple Chassis Label
5	330-1683	• Left Front Corner
6	370-1579	• Speaker
7	501-2462	• SCSI I/O Board
-	240-2159	• M2 x 5 mm Screw
-	330-1753	• Bracket
-	530-2053	• Internal SCSI Cable, 660 mm
-	530-2066	• DC Wire Harness
-	530-2080	• Speaker and LED Wire Harness
8	540-2443	535MB Disk Drive FRU Assembly
-	370-1425	• 535MB Disk Drive
-	370-1844	• 535MB Disk Drive
-	240-2208	• #6-32 x 1/4" Screw
-	540-2570	• Mounting Bracket
8	540-2560	1.05GB Disk Drive FRU Assembly
-	370-1753	• 1.05GB Disk Drive, Seagate ST31200WC
-	370-1822	• 1.05GB Disk Drive, Conner CFP1060E
-	370-1964	• 1.05GB Disk Drive, Conner CFP1080E
-	370-2072	• 1.05GB Disk Drive, IBM DPES-31080
-	370-2168	• 1.05GB Disk Drive, Quantum 1080S
-	540-2570	• Mounting Bracket
8	540-2699	2.1GB Disk Drive FRU Assembly
-	370-1930	• 2.1GB Disk Drive, Conner CFP2105E
-	370-2071	• 2.1GB Disk Drive, Seagate ST32430WC
-	370-2314	• 2.1GB Disk Drive, Seagate ST32155WC
-	370-2315	• 2.1GB Disk Drive, IBM DORS-32160
-	370-2842	• 2.1GB Disk Drive, IBM DCAS-32160
-	540-2570	• Mounting Bracket

SPARCstation 20

SS20 Netra *i*20 Netra *s*20 Netra *i*600 Netra *i*625

4-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
9	560-2044	Fan Kit
	540-2640	Fan Assembly, 4 CFM
	330-1836	Fan Installation Tool
10	300-1215	150 Watt Power Supply (obsolete)
10	300-1279	150 Watt Power Supply
11	540-2500	CD-ROM FRU Assembly
-	240-1463	• #6-32 x 1/4" Screw
-	240-2086	• M3 x 4 mm Screw
-	330-1748	• Mounting Grommet
-	340-3046	• Mounting Bracket
-	370-1679	• CD-ROM Drive
12	540-2553	CD-ROM Filler Panel, Purple
13	540-2509	Floppy Drive FRU Assembly
-	240-2121	• #6-32 Shoulder Screw
-	330-1748	• Drive Mounting Grommet
-	370-1419	• Floppy Drive
13	370-2151	Floppy Drive FRU (replaced 540-2509 12/95)
-	240-1530	• M3 x 6 mm Screw
-	240-2295	• M3 Shoulder Screw
14	540-2551	Floppy Filler Panel without cutout, Purple
14	540-2552	Floppy Filler Panel with cutout, Purple
NS	240-2101	M3 Machine Screw, CPU, P/S, and Top Cover
NS	250-1200	Spring for M3 Screw, CPU, P/S, and Top Cover
NS	260-3059	Sun Logo
NS	261-1269	SPARCstation 20 Nameplate
NS	261-2071	SPARCserver 20 Nameplate
NS	261-4598	Netra *i* Nameplate
NS	261-4599	Netra *s* Nameplate
NS	530-2067	Internal Floppy Cable, 190 mm
NS	530-2316	Floppy DC Power Filter Cable, 76 mm
NS	540-2434	Top Cover Assembly
-	240-2195	• Tinnerman Clip (added to 540-2434-03)
NS	540-2540	Lockbox Assembly

SPARCstation 20

SS20 Netra *i*20 Netra *s*20 Netra *i*600 Netra *i*625

4-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2438	Base Assembly (phased out Nov/Dec 1996)
-	240-1530	• M3 x 6 mm Screw, Speaker Assembly
-	340-2915	• Chassis
-	540-2548	• Right Side Vent Panel (TurboZX requires 2548-02)
2	330-1450	• Foot
3	540-2547	• Right Front Corner
4	261-1009	• Purple Chassis Label
5	330-1683	• Left Front Corner
6	370-1579	• Speaker
7	501-2462	• SCSI I/O Board
-	240-2159	• M2 x 5 mm Screw
-	330-1753	• Bracket
-	530-2053	• Internal SCSI Cable, 660 mm
-	530-2066	• DC Wire Harness
-	530-2080	• Speaker and LED Wire Harness
8	540-2443	535MB Disk Drive FRU Assembly
-	370-1425	• 535MB Disk Drive
-	370-1844	• 535MB Disk Drive
-	240-2208	• #6-32 x 1/4" Screw
-	540-2570	• Mounting Bracket
8	540-2560	1.05GB Disk Drive FRU Assembly
-	370-1753	• 1.05GB Disk Drive, Seagate ST31200WC
-	370-1822	• 1.05GB Disk Drive, Conner CFP1060E
-	370-1964	• 1.05GB Disk Drive, Conner CFP1080E
-	370-2072	• 1.05GB Disk Drive, IBM DPES-31080
-	370-2168	• 1.05GB Disk Drive, Quantum 1080S
-	540-2570	• Mounting Bracket
8	540-2699	2.1GB Disk Drive FRU Assembly
-	370-1930	• 2.1GB Disk Drive, Conner CFP2105E
-	370-2071	• 2.1GB Disk Drive, Seagate ST32430WC
-	370-2314	• 2.1GB Disk Drive, Seagate ST32155WC
-	370-2315	• 2.1GB Disk Drive, IBM DORS-32160
-	370-2842	• 2.1GB Disk Drive, IBM DCAS-32160
-	540-2570	• Mounting Bracket

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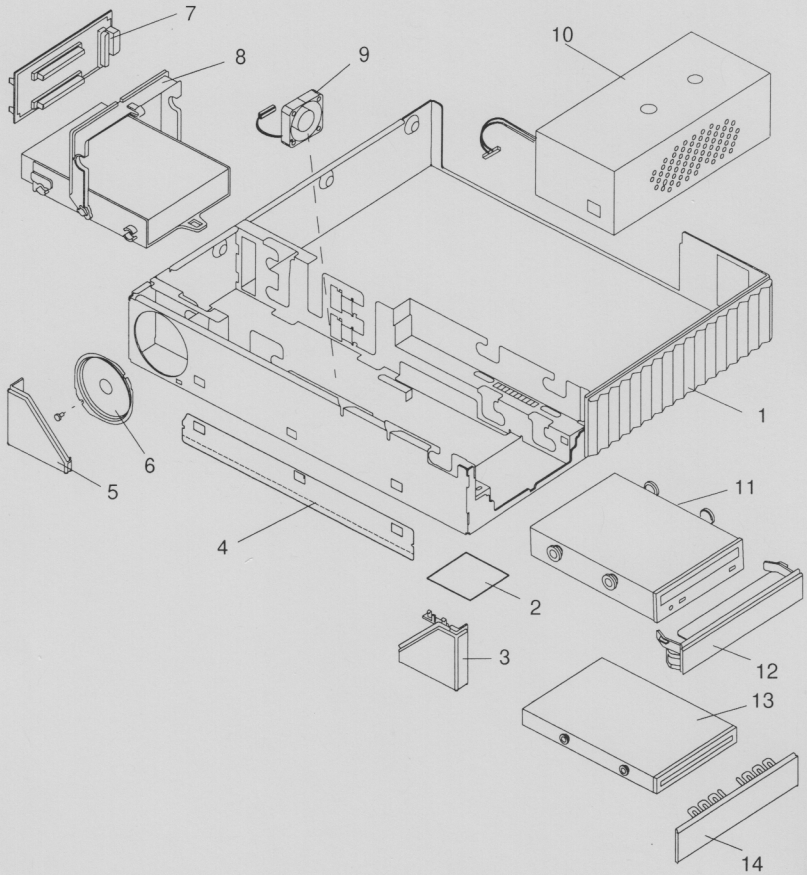
SPARCstation 20

SS20 Netra *i*20 Netra *s*20 Netra *i*600 Netra *i*625

4-Slot SBus Logic Enclosure



SPARCstation 20

SS20 Netra *i*20 Netra *s*20 Netra *i*600 Netra *i*625

4-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2850	Base Assembly (phased in July 1996)
-	240-1530	• M3 x 6 mm Screw, Speaker Assembly
-	340-3397	• Chassis
-	540-2847	• Right Vent Panel (supports TurboZX)
2	330-1450	• Foot
3	540-2848	• Right Front Corner
4	261-1009	• Purple Chassis Label
5	330-1683	• Left Front Corner
6	370-1579	• Speaker
7	501-2462	• SCSI I/O Board
-	330-1753	• Bracket
-	530-2278	• Internal SCSI Cable, 485 mm
-	530-2279	• DC Wire Harness
-	530-2291	• Speaker and LED Wire Harness (obsolete)
-	530-2341	• Speaker and LED Wire Harness
8	540-2443	535MB Disk Drive FRU Assembly
-	370-1425	• 535MB Disk Drive
-	370-1844	• 535MB Disk Drive
-	240-2208	• #6-32 x 1/4" Screw
-	540-2570	• Mounting Bracket
8	540-2560	1.05GB Disk Drive FRU Assembly
-	370-1753	• 1.05GB Disk Drive, Seagate ST31200WC
-	370-1822	• 1.05GB Disk Drive, Conner CFP1060E
-	370-1964	• 1.05GB Disk Drive, Conner CFP1080E
-	370-2072	• 1.05GB Disk Drive, IBM DPES-31080
-	370-2168	• 1.05GB Disk Drive, Quantum 1080S
-	540-2570	• Mounting Bracket
8	540-2699	2.1GB Disk Drive FRU Assembly
-	370-1930	• 2.1GB Disk Drive, Conner CFP2105E
-	370-2071	• 2.1GB Disk Drive, Seagate ST32430WC
-	370-2314	• 2.1GB Disk Drive, Seagate ST32155WC
-	370-2315	• 2.1GB Disk Drive, IBM DORS-32160
-	370-2842	• 2.1GB Disk Drive, IBM DCAS-32160
-	540-2570	• Mounting Bracket

SPARCstation 20

SS20 Netra *i*20 Netra *s*20 Netra *i*600 Netra *i*625

4-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
9	560-2044	Fan Kit
	540-2640	Fan Assembly, 4 CFM
	330-1836	Fan Installation Tool
10	300-1279	150 Watt Power Supply
11	540-2852	SunCD 4 CD-ROM FRU Assembly
-	240-2295	• M3 Shoulder Screw
-	330-2036	• Mounting Grommet
-	370-2102	• SunCD 4 CD-ROM Drive
12	540-2845	CD-ROM Filler Panel, Light Grey
13	540-2854	Floppy Drive FRU Assembly
-	240-2318	• M2.5 x 3 mm Screw
-	330-2036	• Mounting Grommet
-	340-3401	• Mounting Bracket
-	370-2302	• Floppy Drive
NS	530-2277	Internal Floppy Cable, 250 mm
NS	530-2316	Floppy DC Power Filter Cable, 76 mm
14	540-2846	Floppy Filler Panel without cutout, Light Grey
14	540-2853	Floppy Filler Panel with cutout, Light Grey
NS	240-2101	M3 Machine Screw, CPU, P/S, and Top Cover
NS	250-1200	Spring for M3 Screw, CPU, P/S, and Top Cover
NS	260-3059	Sun Logo
NS	261-1269	SPARCstation 20 Nameplate
NS	261-2071	SPARCserver 20 Nameplate
NS	261-4598	Netra *i* Nameplate
NS	261-4599	Netra *s* Nameplate
NS	540-2844	Top Cover Assembly
NS	540-2540	Lockbox Assembly
-	240-2206	• M3 x 12 mm Screw

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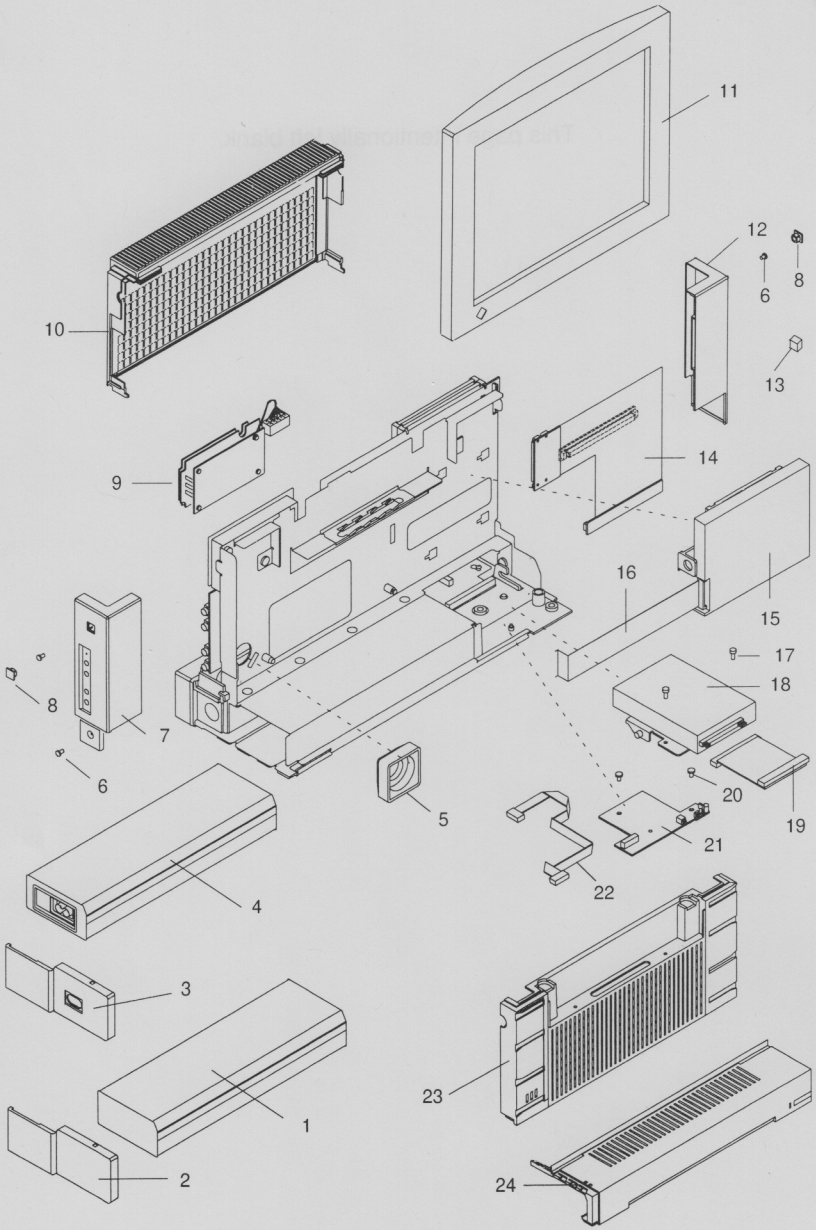
SPARCstation Voyager

Logic Enclosure



SPARCstation Voyager

Logic Enclosure

CODE	PART #	DESCRIPTION
1	595-3146	Battery Assembly
-	300-1213-01	• 40 Watt Battery
-	300-1213-02	• 40 Watt Battery with Pull Ring
-	530-2063	• Power Cord, Battery Charging Mode
2	540-2493-xx	• Battery Cover for 300-1213-01
2	540-2493-04	• Battery Cover for ≥300-1213-02
3	540-2494-xx	Power Supply Cover for ≤300-1212-02
3	540-2494-04	Power Supply Cover for ≥300-1212-03
4	300-1212-xx	60 Watt Power Supply
4	300-1212-03	60 Watt Power Supply with Pull Ring
5	540-2454	Speaker Assembly
6	240-2118	M3 x 5 mm Screw
7	330-1672	End Cap, Left
8	330-1743	End Cap Plug
9	300-1234	DC-DC Converter
10	330-1597	Rear Cover
11	540-2452	12" Color LCD
11	540-2453	14" Mono LCD
12	330-1669	End Cap, Right
13	540-2596	Lockbox Assembly
14	530-2049	Frame Buffer to CPU Flex Cable
15	540-2445	Floppy Drive FRU Assembly
-	240-2104	• M2 x 4 mm Screw
-	330-1668	• Mounting Bracket
-	370-1542	• Floppy Drive
16	530-2061	Floppy Power and Data Cable
17	240-1759	M3 x 8 mm Screw
18	540-2446	340MB Disk Drive FRU Assembly
-	240-2161	• Washer
-	240-2164	• M3 Shoulder Screw
-	370-1670	• 340MB Disk Drive
-	540-2546	• Drive Mounting Bracket Assembly
-	330-1779	• Grommet
-	340-2961	• Mounting Bracket

SPARCstation Voyager

Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
18	540-2695	810MB Disk Drive FRU Assembly
-	240-2161	• Washer
-	240-2164	• M3 Shoulder Screw
-	370-1982	• 810MB Disk Drive
-	540-2546	• Drive Mounting Bracket Assembly
-	330-1779	• Grommet
-	340-2961	• Mounting Bracket
19	530-2062	Disk Drive SCSI Cable, 87 mm
20	240-2117	M3 x 5 mm Screw
21	501-2491	Infrared Module
22	530-2071	Infrared Module Cable
23	330-1594	Front Cover
24	330-1714	Rear Bottom Cover
NS	240-1571	#4-40 x 0.15" Jackscrew
NS	240-2131	M3 x 4mm Screw
NS	240-2164	M3 x 4 mm Screw
NS	240-2173	M2 x 4mm Screw
NS	330-1699	LCD Connector Cover (configurations without LCD)
NS	330-1777	Power On/Off Button
NS	530-2069	DC Wire Harness
NS	501-2492	I/O Board (obsolete)
NS	501-2582	I/O Board (obsolete)
NS	501-2683	I/O Board
NS	540-2545	Front Bottom Cover
NS	530-2073	Power Cord, UK, Type C7 - BS1363A
NS	530-2074	Power Cord, Europe, Type C7 - CEE 7/7
NS	530-2075	Power Cord, Australia, Type C7 - SAA/2
NS	530-2076	Power Cord, USA, Type C7 -NEMA 1-15
NS	530-2022	Power Cord, Japan, Type C7 - JIS-C 8303

4D SYSTEM

4D SYSTEM

PARTS BREAKDOWN

4d SYSTEM

Sun-4d System

Sun-4d Architecture
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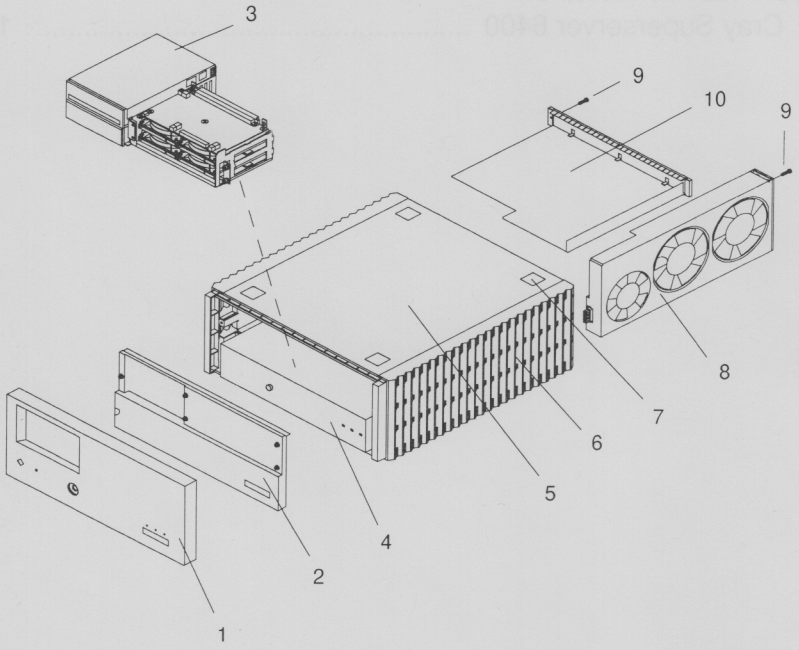
Sun-4d6 Architecture
Cray Superserver 6400 18

SPARCserver 1000 and 1000E

S1000 S1000E S1001E

4-Slot XDBus Logic Enclosure



SPARCserver 1000 and 1000E

S1000 S1000E S1001E

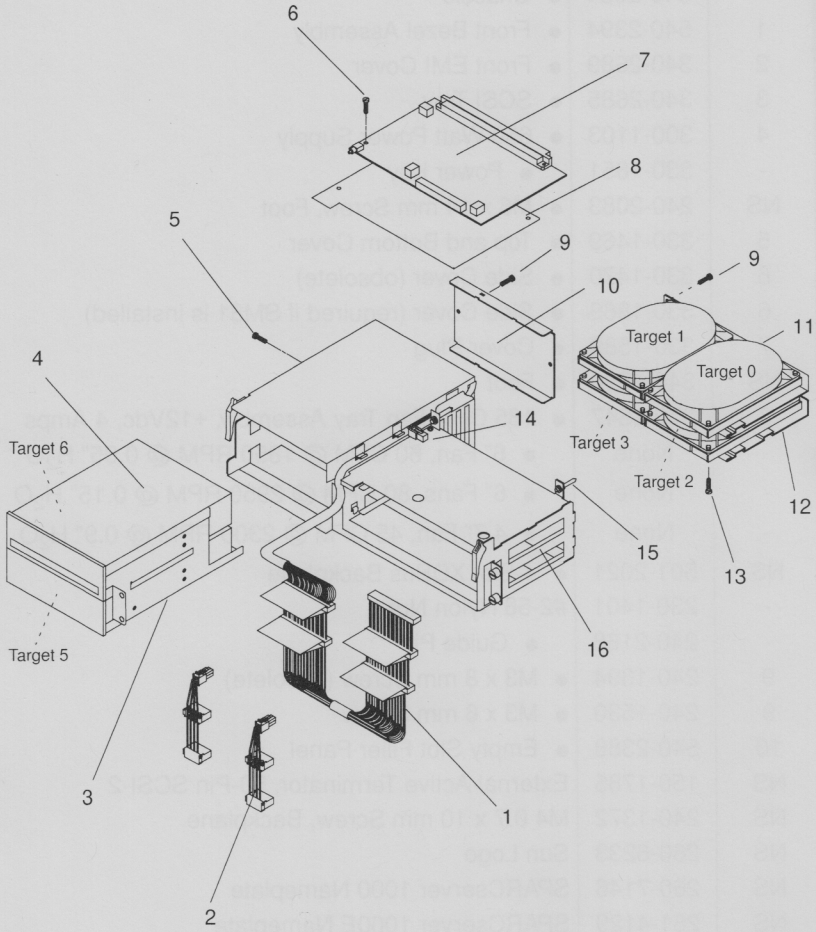
4-Slot XDBus Logic Enclosure

CODE	PART #	DESCRIPTION
	540-2273	Chassis Assembly
	340-2684	• Chassis
1	540-2394	• Front Bezel Assembly
2	340-2689	• Front EMI Cover
3	340-2685	• SCSI Tray
4	300-1103	• 650 Watt Power Supply
-	330-1651	• Power Key
NS	240-2083	• M6 x 14 mm Screw, Foot
5	330-1469	• Top and Bottom Cover
6	330-1470	• Side Cover (obsolete)
6	330-1869	• Side Cover (required if SM81 is installed)
7	330-1589	• Cover Plug
NS	340-1590	• Foot
8	370-1547	• 185 CFM Fan Tray Assembly, +12Vdc, 4 Amps
-	None	• 6" Fan, 60 CFM @ 1850 RPM @ 0.05" H_2O
-	None	• 6" Fans, 80 CFM @ 2950 RPM @ 0.15" H_2O
-	None	• 4.7" Fan, 45 CFM @ 2300 RPM @ 0.9" H_2O
NS	501-2021	• 4-Slot XDBus Backplane
-	230-1401	#2-56 Nylon Nut
-	240-2168	• Guide Pin
9	240-1394	• M3 x 8 mm Screw (obsolete)
9	240-1530	• M3 x 6 mm Screw
10	540-2388	• Empty Slot Filler Panel
NS	150-1785	External Active Terminator, 50-Pin SCSI-2
NS	240-1372	M4 0.7 x 10 mm Screw, Backplane
NS	260-6233	Sun Logo
NS	260-7146	SPARCserver 1000 Nameplate
NS	261-4129	SPARCserver 1000E Nameplate
NS	530-1871	10BASE-T Cable, RJ45 to RJ45, 4M
NS	560-2011	Guide Pin Kit with 10 Guide Pins
-	230-1401	• #2-56 Nylon Nut
-	240-2168	• Guide Pin
	801-2895	*SPARCserver 1000 System Service Manual*

SPARCserver 1000 and 1000E

S1000 S1000E S1001E

SCSI Tray



SPARCserver 1000 and 1000E

S1000 S1000E S1001E

SCSI Tray

CODE	PART #	DESCRIPTION
1	530-1911	Internal SCSI Cable, 1M
2	530-1913	3 1/2" SCSI Power Cable
3	340-2687	5 1/4" SCSI Mounting Bracket
4	370-1312	SunCD CD-ROM
4	370-1584	SunCD Plus CD-ROM
4	370-1682	SunCD2 Plus CD-ROM
4	370-2103	SunCD4 CD-ROM
4	370-1571	5.0GB 4 mm Tape Drive
5	240-1621	M3 x 8 mm Screw (obsolete)
5	240-1530	M3 x 6 mm Screw
6	240-1559	M4 x 6 mm Screw, Control Board
7	501-1979	Programmed 40MHz SS1000 Control Board
7	501-2412	Unprogrammed 40MHz SS1000 Control Board
7	501-2667	Programmed 50MHz SS1000E Control Board [1]
7	501-2673	Unprogrammed 50MHz SS1000E Control Board [1]
8	330-1856	Mylar Shield
9	240-1530	M3 x 6 mm Screw
10	340-2705	SCSI Tray Rear EMI Cover
11	370-1424	535MB 5400 RPM Disk Drive, Conner CP30540
11	370-1424	535MB 5400 RPM Disk Drive, Seagate ST3610N
11	370-1710	1.05GB 5400 RPM Disk Drive, Seagate ST31200N
11	370-1963	1.05GB 5400 RPM Disk Drive, Conner CFP1080S
11	370-1957	2.1GB 7200 RPM Disk Drive, IBM DFHS-32160
11	370-2067	2.1GB 7200 RPM Disk Drive, Seagate ST32550N
12	340-2688	3 1/2" Disk Drive Mounting Bracket
13	240-1734	#6-32 x 3/16" Screw (obsolete)
13	240-2077	#6-32 x 3/16" Screw
14	530-1912	5 1/4" SCSI Power Cable
15	340-2638	Alignment Pin, Backplane
16	340-2685	SCSI Tray
NS	540-2429	1/2-Height Peripheral Filler Panel

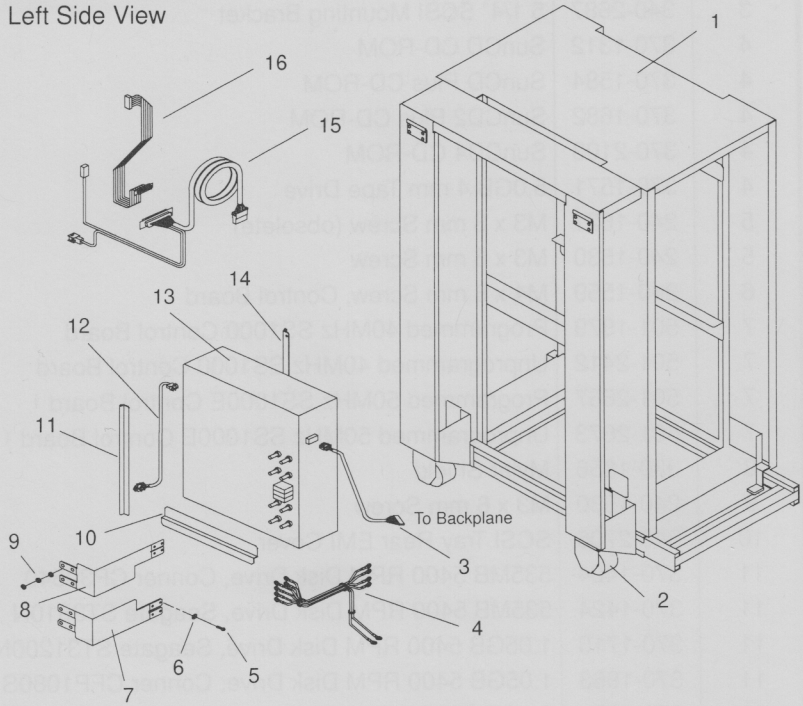
[1] Fan tray 370-1547-04 is required because of increased EMI by the 50MHz Control Board and reduced EMI by the fan tray design changes. No changes were made to the cooling capability of the fan tray.

SPARCcenter 2000 and 2000E

S2000 S2000E S2001E

56-inch Data Center Cabinet

Left Side View



SPARCcenter 2000 and 2000E

S2000 S2000E S2001E

56-inch Data Center Cabinet

CODE	PART #	DESCRIPTION
1	599-1821	SC2000 and SC2000E Rack Assembly
2	240-1717	Caster
3	530-1728	Power Supply Sense to Backplane Harness
3	530-2210	Power Supply Sense to Backplane Harness [1]
4	530-1743	Power Supply +/- 12 Volt to Backplane Harness
5	240-1372	M4 0.7 x 10 mm Screw
6	240-1952	M4 Washer (Bus Bar to Backplane)
7	340-2620	Power Supply +1.2Vdc Lower Bus Bar
8	340-2621	Power Supply +5Vdc Upper Bus Bar
9	240-2213	M8 1.25 Nut, Washer, and Lock Washer
10	340-2414	Power Supply Mounting Bracket, Lower
11	340-2416	Power Supply Mounting Bracket, Front
12	530-1738	Power Supply to AC Distribution Unit Harness
13	300-1073	2410 Watt Power Supply (obsolete)
13	300-1258	2410 Watt Power Supply (obsolete)
13	300-1286	2410 Watt Power Supply
13	300-1281	2410 Watt Power Supply [1]
14	340-2415	Power Supply Mounting Bracket, Rear
NS	340-2394	Power Supply Mounting Shelf
NS	340-2395	Power Supply EMI Cover
15	530-1724	AC Dist to Blower to Filter to Keyswitch Harness
16	530-1725	Backplane to DB25 Filter Harness
NS	130-2034	DB-25 Filter
NS	130-1080	Jackscrew for DB25 Filter
NS	240-1957	M4 0.7 x 25 mm Screw (Power Supply EMI Cover)
NS	340-2400	Cardcage EMI Cover
NS	340-2412	Cardcage Support Rail, Lower Left
NS	340-2413	Cardcage Support Rail, Upper Left
NS	340-2396	Cardcage Support Rail, Upper Right
NS	340-2397	Cardcage Support Rail, Lower Right
NS	340-2563	Cardcage Lower Access Panel
NS	540-2114	Cardcage Slot Filler Panel

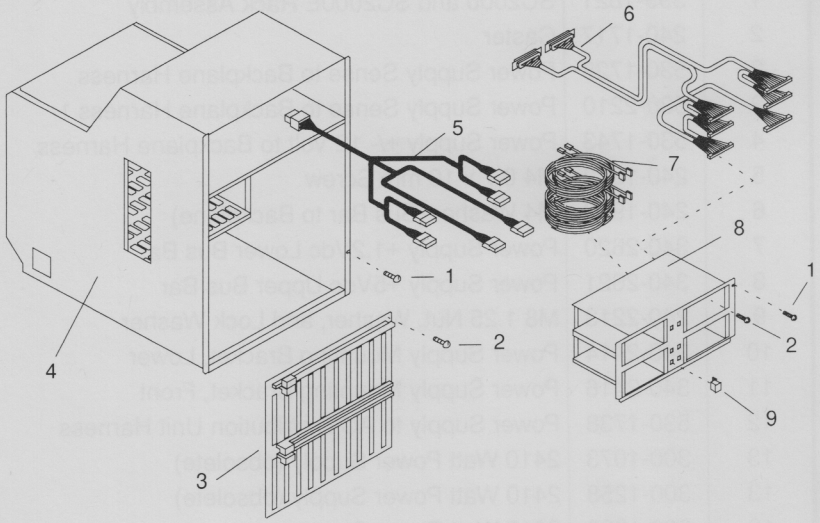
[1] The PCM_FAIL signal prevents booting when Sense Cable 530-1728 is used with Power Supply 300-1281. Use Sense Cable 530-2210.

SPARCcenter 2000 and 2000E

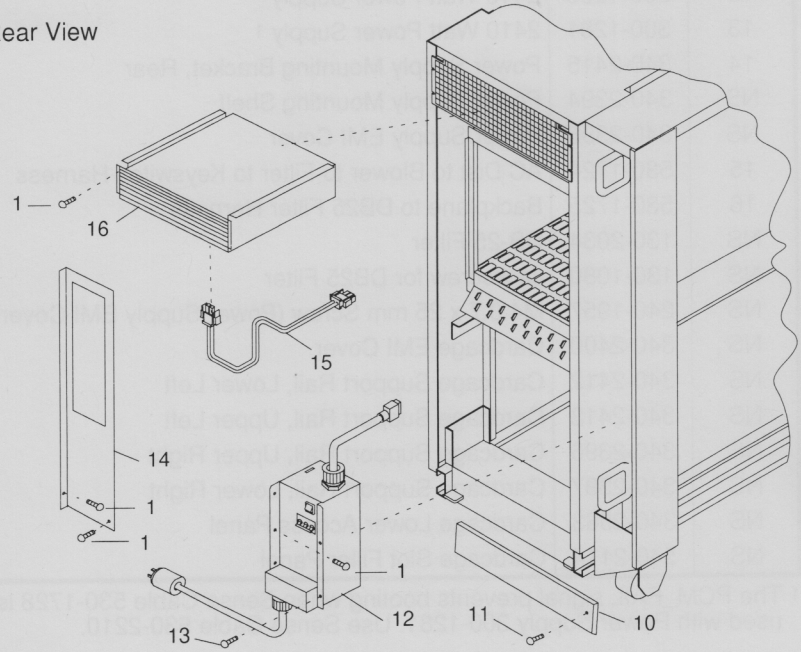
S2000 S2000E S2001E

Logic Enclosure and Data Center Cabinet

Front View



Rear View



SPARCcenter 2000 and 2000E

S2000 S2000E S2001E

Logic Enclosure and Data Center Cabinet

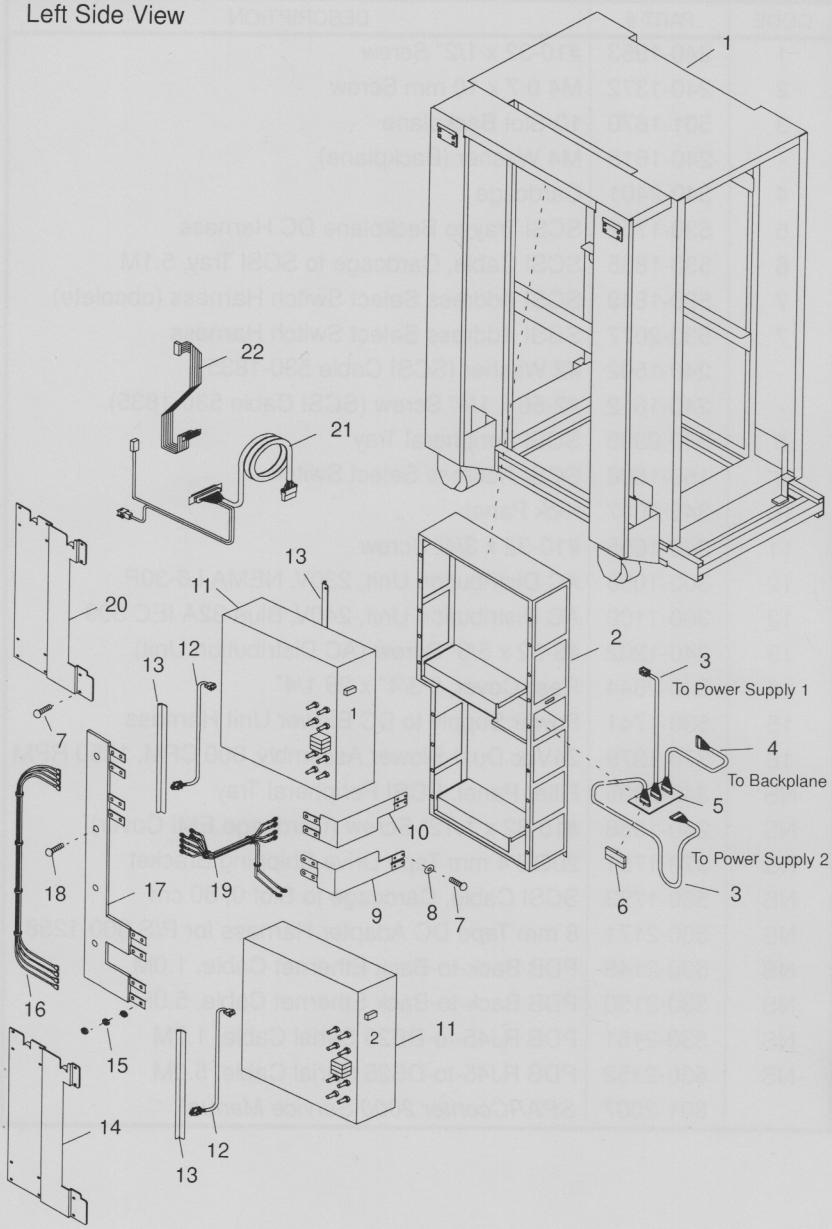
CODE	PART #	DESCRIPTION
1	240-1953	#10-32 x 1/2" Screw
2	240-1372	M4 0.7 x 10 mm Screw
3	501-1670	10-Slot Backplane
-	240-1618	M4 Washer (Backplane)
4	340-2401	Cardcage
5	530-1752	SCSI Tray to Backplane DC Harness
6	530-1835	SCSI Cable, Cardcage to SCSI Tray, 5.1M
7	530-1849	SCSI Address Select Switch Harness (obsolete)
7	530-2077	SCSI Address Select Switch Harness
-	240-1502	#2 Washer (SCSI Cable 530-1835)
-	240-1612	#2-56 x 1/4" Screw (SCSI Cable 530-1835)
8	340-2399	SCSI Peripheral Tray
9	150-1806	SCSI Address Select Switch
10	340-2047	Kick Panel
11	240-1655	#10-32 x 3/4" Screw
12	300-1099	AC Distribution Unit, 230V, NEMA L6-30P
12	300-1100	AC Distribution Unit, 240V, Blue 32A IEC 309
13	240-1202	#6-32 x 5/8" Screw (AC Distribution Unit)
14	340-2644	Rear Cover, 5 3/4" x 29 1/4"
15	530-1741	Power Supply to DC Blower Unit Harness
16	370-1379	24Vdc Dual-Blower Assembly, 600 CFM, 1350 RPM
NS	340-2305	Filler Panel, SCSI Peripheral Tray
NS	240-1958	#10-32 x 1.12" Screw (Cardcage EMI Cover)
NS	370-1751	20GB 4 mm Tape Drive Shipping Bracket
NS	530-1793	SCSI Cable, Cardcage to Slot 0, 80 cm
NS	530-2171	8 mm Tape DC Adapter Harness for P/S 300-1258
NS	530-2149	PDB Back-to-Back Ethernet Cable, 1.0M
NS	530-2150	PDB Back-to-Back Ethernet Cable, 5.0M
NS	530-2151	PDB RJ45-to-DB25 Serial Cable, 1.0M
NS	530-2152	PDB RJ45-to-DB25 Serial Cable, 5.0M
	801-2007	*SPARCcenter 2000 Service Manual*

SPARCcenter 2000E

S2000E S2001E

56-inch Data Center Cabinet

Left Side View



SPARCcenter 2000E

S2000E S2001E

56-inch Data Center Cabinet

CODE	PART #	DESCRIPTION
1	599-2027	SC2000E Rack Assembly with 1 Power Supply
1	599-2031	SC2000E Rack Assembly with 2 Power Supplies
2	340-3133	Power Supply Mounting Shelf
3	530-2162	Power Supply Sense to P/S Interface PCB Harness
4	530-2163	P/S Interface PCB to Backplane Harness
5	501-2724	Power Supply Interface Card
6	530-2170	Jumper Plug (installed if there is only 1 power supply)
7	240-1372	M4 0.7 x 10 mm Screw
8	240-1952	M4 Washer (Bus Bar to Backplane)
9	340-2620	Top Power Supply +1.2Vdc Lower Bus Bar
10	340-2621	Top Power Supply +5Vdc Upper Bus Bar
11	300-1281	2410 Watt Power Supply [1]
12	530-1738	Power Supply to AC Distribution Unit Harness
13	340-2415	Power Supply Mounting Bracket
14	340-3190	Bottom Power Supply Mounting Bracket
15	240-2213	M8 1.25 Nut, Washer, and Lock Washer
16	530-2164	Top to Bottom Power Supply +/- 12Vdc Harness
17	340-3163	Top to Bottom Power Supply Bus Bar
18	240-1435	M6 x 18 mm Screw for 340-3136 (x4)
19	530-1743	Top Power Supply +/- 12Vdc to Backplane Harness
20	340-3135	Top Power Supply Mounting Bracket
21	530-2161	AC Dist to Blower to Filter to Keyswitch Harness
22	530-1725	Backplane to DB25 Filter Harness
NS	130-2034	DB-25 Filter
NS	130-1080	Jackscrew for DB25 Filter
NS	240-1957	M4 0.7 x 25 mm Screw (Power Supply EMI Cover)
NS	340-3134	Power Supply EMI Cover

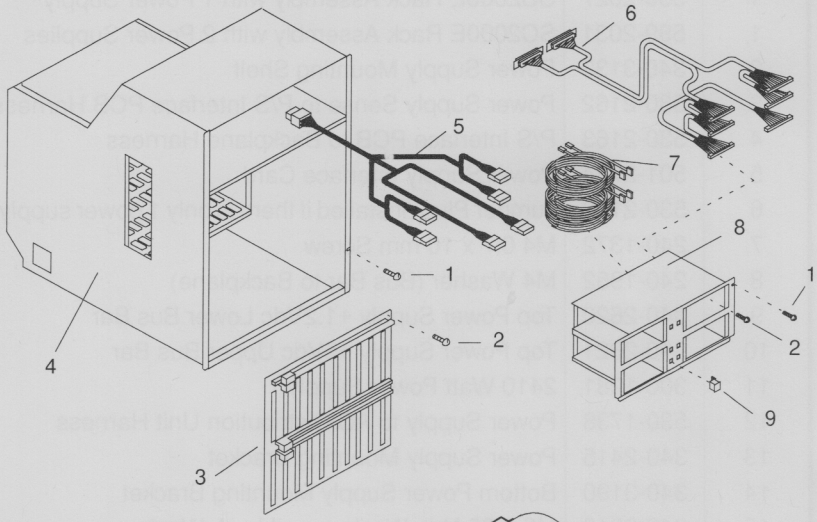
[1] Do NOT use Power Supply 300-1073, 300-1258, or 300-1286. The PCM_FAIL signal is not provided by these Power Supplies. Do NOT use Sense Cable 530-2210.

SPARCcenter 2000E

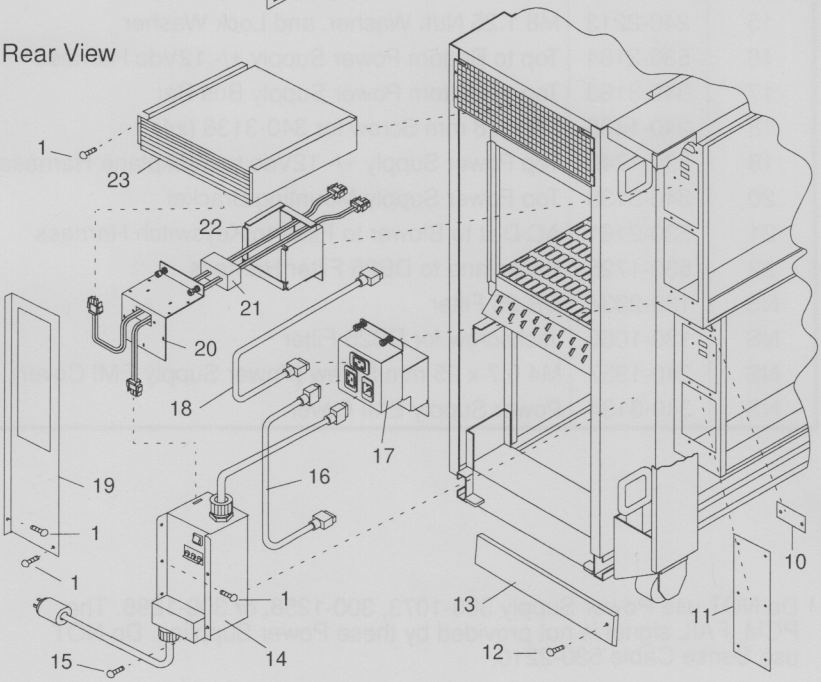
S2000E S2001E

Logic Enclosure and Data Center Cabinet

Front View



Rear View



SPARCcenter 2000E

S2000E S2001E

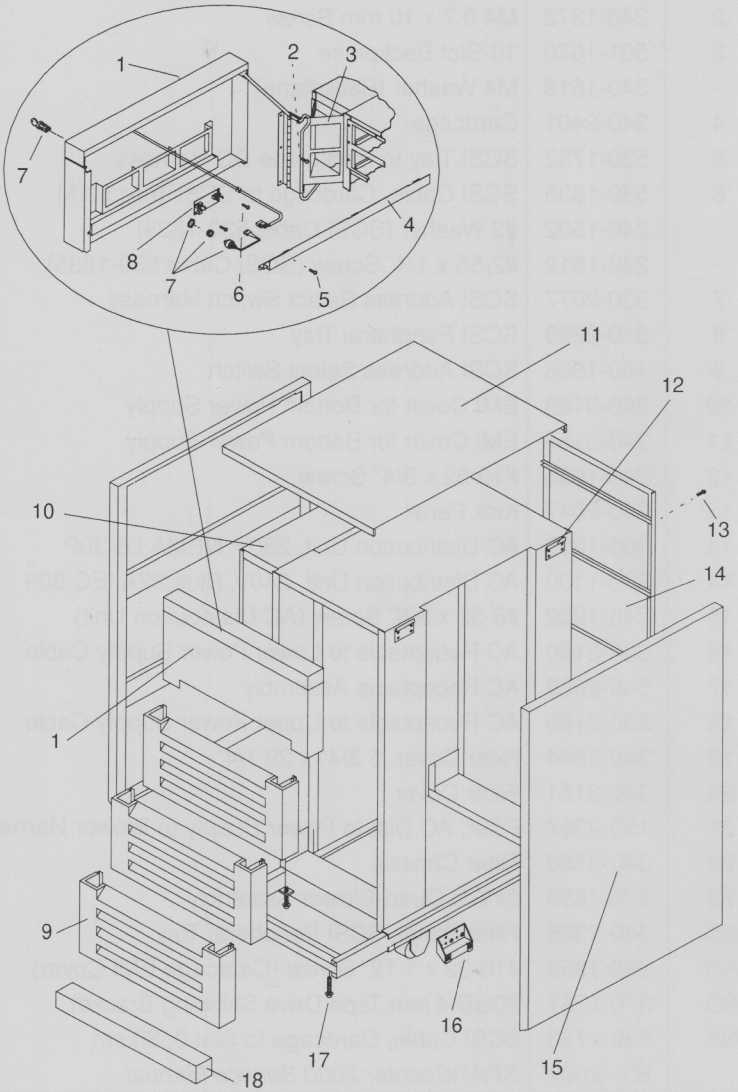
Logic Enclosure and Data Center Cabinet

CODE	PART #	DESCRIPTION
1	240-1953	#10-32 x 1/2" Screw
2	240-1372	M4 0.7 x 10 mm Screw
3	501-1670	10-Slot Backplane
-	240-1618	M4 Washer (Backplane)
4	340-2401	Cardcage
5	530-1752	SCSI Tray to Backplane DC Harness
6	530-1835	SCSI Cable, Cardcage to SCSI Tray, 5.1M
-	240-1502	#2 Washer (SCSI Cable 530-1835)
-	240-1612	#2-56 x 1/4" Screw (SCSI Cable 530-1835)
7	530-2077	SCSI Address Select Switch Harness
8	340-2399	SCSI Peripheral Tray
9	150-1806	SCSI Address Select Switch
10	340-3189	EMI Cover for Bottom Power Supply
11	340-3157	EMI Cover for Bottom Power Supply
12	240-1655	#10-32 x 3/4" Screw
13	340-2047	Kick Panel
14	300-1099	AC Distribution Unit, 230V, NEMA L6-30P
14	300-1100	AC Distribution Unit, 240V, Blue 32A IEC 309
15	240-1202	#6-32 x 5/8" Screw (AC Distribution Unit)
16	530-2160	AC Receptacle to Lower Power Supply Cable
17	540-2689	AC Receptacle Assembly
18	530-2160	AC Receptacle to Upper Power Supply Cable
19	340-2644	Rear Cover, 5 3/4" x 29 1/4"
20	340-3161	Filter Cover
21	150-2357	Filter, AC Dist to Power Supply to Blower Harness
22	340-3160	Filter Chassis
23	370-1853	24Vdc Quad-Blower Assembly
NS	340-2305	Filler Panel, SCSI Peripheral Tray
NS	240-1958	#10-32 x 1.12" Screw (Cardcage EMI Cover)
NS	370-1751	20GB 4 mm Tape Drive Shipping Bracket
NS	530-1793	SCSI Cable, Cardcage to Slot 0, 80 cm
	801-2007	*SPARCcenter 2000 Service Manual*

SPARCcenter 2000 and 2000E

S2000 S2000E S2001E

56-inch Data Center Cabinet



SPARCcenter 2000 and 2000E

S2000 S2000E S2001E

56-inch Data Center Cabinet

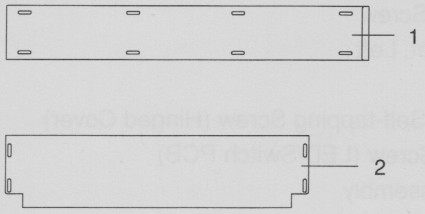
CODE	PART #	DESCRIPTION
1	540-2115	Hinged Panel Assembly
2	240-1531	M4 0.7 x 10 Screw
3	340-2456	Hinge Bracket, Left
4	340-2467	Inner Cover
5	240-1866	#8-18 x 3/8" Self-tapping Screw (Hinged Cover)
6	240-1530	M3 x 6 mm Screw (LED/Switch PCB)
7	530-1723	Keyswitch Assembly
-	330-1651	Power Key
8	501-1877	Keyswitch Interface Board
9	540-2116	Vented Panel Assembly
10	599-1821	Rack Assembly
11	340-1840	Top Panel
12	340-1885	Side Panel Bracket, Upper
13	240-1655	#10-32 x 3/4" Screw
14	340-1845	Rear Panel
15	340-1848	Side Panel
16	340-1886	Side Panel Bracket, Lower
17	230-1181	Leveler Foot
NS	250-1070	Leveler Foot Wrench
18	340-1884	Anti-Tilt Panel
NS	230-1166	Cable Tie 5.5", Reusable
NS	230-1177	Snap In Clip
NS	230-0203	Cable Tie
NS	230-1062	Cable Route Grommet
NS	260-3425	Sun Logo
NS	260-6392	SPARCcenter 2000 Nameplate
NS	261-4128	SPARCcenter 2000E Nameplate
NS	240-1632	3/8-16 x 3/4" Bolt (Caster)
NS	240-1634	3/8" Washer (Caster)
NS	240-1791	#6-32 Ballstud
NS	240-1868	1/4-28 x 1" Screw (Anti-Tilt Bar)

SPARCcenter 2000 and 2000E

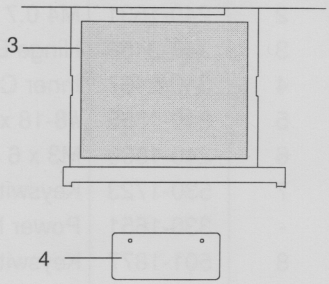
S2000 S2000E S2001E

10-Slot XDBus Logic Enclosure

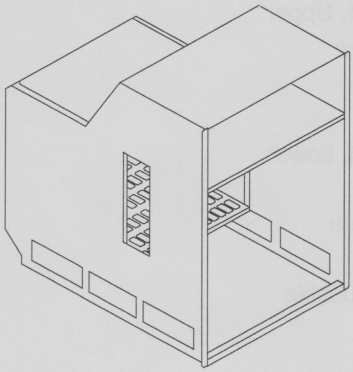
Air Baffle Kit #1



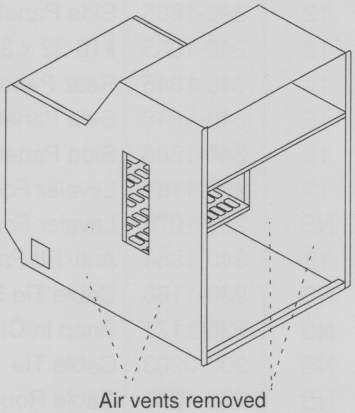
Air Baffle Kit #2



Cardcage 340-2401-02



Cardcage 340-2401-04



Notes

1. The SM51-2 Upgrade includes Air Baffle Kit #1.
2. The SM61-2 Upgrade includes Air Baffle Kit #1 and Air Baffle Kit #2.
3. The SM81-2 Upgrade includes Air Baffle Kit #1 and Air Baffle Kit #2.
4. Air Baffle Kits are not included with stand-alone Module Options.
5. Air Baffle Kit #1 is installed in systems built after December 1, 1993.
6. Cardcage 340-2401-04, released in April 1994, incorporates the airflow design changes made by Air Baffle Kit #1.
7. Air Baffle Kit #2 is installed in systems built after September 1, 1994.
8. Cardcages 340-2401-01 and 340-2401-03 were not manufactured.

SPARCcenter 2000 and 2000E

S2000 S2000E S2001E

10-Slot XDBus Logic Enclosure

CODE	PART #	DESCRIPTION
NS	560-2011	Backplane Guide Pin Kit
-	230-1401	• #2-56 Nut
-	240-2168	• Guide Pin
-	801-6248	• Guide Pin Upgrade Manual
	595-3290	Air Baffle Kit #1
-	230-1402	• Snap Fastener (x20)
1	340-3036	• Side Plate (x2)
2	340-3037	• End Plate
	595-3509	Air Baffle Kit #2
-	230-1402	• Snap Fastener (x4)
3	340-3099	• Baffle
4	340-3132	• Baffle Support Bracket
-	801-6727	• SPARCenter 2000 Air Baffle Upgrade Manual

Chassis Air Baffle Kit Requirements

	CHASSIS MANUFACTURING DATE			
CHASSIS	Pre-fcs - 12/93	12/93 - 4/94	4/94 - 9/94	9/94 - Present
340-2401-02	SM51-2 requires Air Baffle Kit #1	SM51-2 has no requirements	Not Manufactured	Not Manufactured
-	SM61-2 requires Air Baffle Kit #1 Air Baffle Kit #2	SM61-2 requires Air Baffle Kit #2	Not Manufactured	Not Manufactured
-	SM81-2 requires Air Baffle Kit #1 Air Baffle Kit #2	SM81-2 requires Air Baffle Kit #2	Not Manufactured	Not Manufactured
340-2401-04	Not Manufactured	Not Manufactured	SM51-2 has no requirements	SM51-2 has no requirements
	Not Manufactured	Not Manufactured	SM61-2 requires Air Baffle Kit #2	SM61-2 has no requirements
	Not Manufactured	Not Manufactured	SM81-2 requires Air Baffle Kit #2	SM81-2 has no requirements

Cray Superserver 6400

CS6400

Data Center Cabinet

PART#	BSD PART#	DESCRIPTION
370-2732	420-6146-001	Microcom Modem
370-2733	429-6007-001	Blower Assembly, 60Hz
370-2734	429-6007-002	Blower Assembly, 60Hz
370-2735	429-6008-001	AC Line Filter / Main Breaker, 50Hz
370-2736	429-6009-001	AC Line Filter / Main Breaker, 60Hz
370-2737	429-6009-002	AC Line Filter / Main Breaker, 60Hz
370-2738	435-6000-007	I/O Cabinet PDU, 60Hz
370-2739	435-6000-008	I/O Cabinet PDU, 50Hz
370-2740	612-6002-001	Centerplane
370-2741	613-6003-003	Control Board [1]
370-2742	613-6003-004	Control Board [2]
370-2743	613-6004-004	System Board [2]
370-2744	655-6103-001	Blower Cable, Front and Rear
370-2745	671-6128-001	Hot Swap Power Module
370-2746	421-6011-001	8MB SIMM Module
370-2747	421-6012-001	32MB SIMM Module
370-2748	420-6049-001	RS232 Serial Port PC Card
370-2749	420-6049-002	RS232 Serial Port PC Card
370-2750	420-6045-001	HIPPI Interface CHI Systems
370-2751	420-6081-001	Exabyte EXB-8505 Tape Drive
370-2752	420-6081-002	Exabyte EXB-8505 Tape Drive
370-2753	420-6144-001	QIC 1/4" Tape Drive
370-2754	421-6044-001	Dual Attach FDDI Interface
370-2755	655-6010-001	Tape Chassis SCSI Cable
370-2756	422-6118-003	68-Pin Differential SCSI Cable, 6M
370-2757	422-6150-001	External Remote Power Control Cable
370-2758	KIT85	EMI Material, SuperSPARC II Upgrade
370-2759	408-6007-002	Blower Airvane Switch Sensor

[1] Not compatible with 85MHz SuperSPARC II.
[2] Compatible with 60MHz SuperSPARC and 85MHz SuperSPARC II.

Cray Superserver 6400

CS6400

Data Center Cabinet - Continued

PART#	BSD PART#	DESCRIPTION
370-2760	612-6061-010	60MHz SuperSPARC Module
370-2761	612-6162-002	60MHz SuperSPARC Module
370-2762	612-6175-001	85MHz SuperSPARC II Module
370-2763	409-6011-001	Tape Chassis 200W Power Supply
370-2764	409-6012-001	Disk Tray 300W Power Supply
370-2765	420-6063-001	2.9GB Dual Port Disk Drive
370-2766	420-6113-001	2.9GB Single Port Disk Drive
370-2767	420-6114-002	Dual Port Disk Tray
370-2768	420-6114-002	Enhanced Dual Port Disk Tray
370-2769	420-6116-001	Tape Drive Chassis
370-2770	420-6117-001	9GB Single Port Disk Drive
370-2771	420-6117-002	9GB Single Port Disk Drive
370-2772	420-6170-001	Single Port Disk Tray
370-2773	420-6170-002	Enhanced Single Port Disk Tray
370-2774	612-6010-001	ECB Assembly, Seagate Elite-9 Adapter
370-2775	655-6011-001	SCSI Disk Drive Port-A Cable
370-2776	655-6012-001	SCSI Disk Drive Port-B Cable
370-2777	655-6013-001	Single Port SCSI Disk Drive Cable
370-2778	420-6126-001	Differential SCSI Terminator
370-2779	422-6124-001	System Service Processor Interface Cable
370-2780	429-6005-001	Backplane Assembly, Power Supply
370-2781	CS3T2-020191	10-inch Fan
370-2782	435-6000-010	Circuit Breaker, Main, 250V
370-2783	435-6000-012	Circuit Breaker, Fan, 415V
370-2784	435-6000-013	Circuit Breaker, Fan, 415V, 62DL
370-2785	436-6000-003	Air Filter, 9.5" x 22.75" x 0.43"
370-2786	SP-16ASYN-01	16 Port Asynchronous Interface
370-2787	SP-ATM100-01	4615 SBus with 100MB ATM Adapter
370-2788	SP-ATM155-01	4615 SBus with 155MB ATM Adapter

Cray Superserver 6400

CS6400

Data Center Cabinet - Continued

PART#	BSD PART#	DESCRIPTION
370-2789	SP-DLTLM5-01	Tape Library
370-2790	SP-DLT450-01	Table-Top Tape Library
370-2791	SP-F3480S-01	1/2" Desktop Cartridge Tape Drive
370-2792	SP-CBL005-01	Differential SCSI Cable, 20'
370-2793	SP-CBL007-01	Differential SCSI Cable, 10'
370-2794	SP-XTBASE-01	HMX NCD Xterminal Base
370-2795	SP-XTMON-01	RHMX NCD Xterminal Monitor
370-2796	SP-XTKEY-01	HMX NCD Xterminal Keyboard
370-2797	SP-XTMSE-01	RHMX NCD Xterminal Mouse
370-2798	SP-EX903-01	EX480 TMCS Card
370-2799	SP-EX904-01	Exabyte EXB-480 Long Axis Belt
370-2800	SP-EX905-01	Exabyte EXB-480 Front Panel Assembly
370-2801	SP-EX906-01	EXB-480 Robotic Arm w Barcode Reader
370-2802	SP-EX907-01	Exabyte EXB-480 CHM Flex Cable
370-2803	SP-EX908-01	Exabyte EXB-480 Power Supply and Fan
370-2804	SP-EX909-01	Exabyte EXB-8505SL Drive with Carrier
370-2806	409-6010-005	Power Supply [1]
370-2807	409-6010-006	Power Supply [2]

[1] Not compatible with 85MHz SuperSPARC II.
[2] Compatible with 60MHz SuperSPARC and 85MHz SuperSPARC II.

Sun-4u System

Sun-4u Architecture
Ultra Enterprise 1 Models 140 and 170 2
Netra *i* 150 Netra nfs 150 Ultra Enterprise 150 6
Ultra Enterprise 1 Models 140E/170E/200E 10
Ultra 2 14
Ultra 5 18
Ultra 10 20
Ultra 30 22
Ultra 60 26
Enterprise 250 30
Ultra 450 34
Ultra Enterprise 450 34
Ultra Enterprise 3000 38
Ultra Enterprise 4000 40
Ultra Enterprise 5000 42
Ultra Enterprise 6000 44
Ultra Enterprise 5000 and 6000 Data Center Cabinet 46
Enterprise 3500 48
Enterprise 4500 50
Enterprise 5500 52
Enterprise 6500 54
Enterprise 5500 and 6500 Data Center Cabinet 56

Sun-4u1
Ultra Enterprise 10000 58

4U SYSTEM

4U SYSTEM

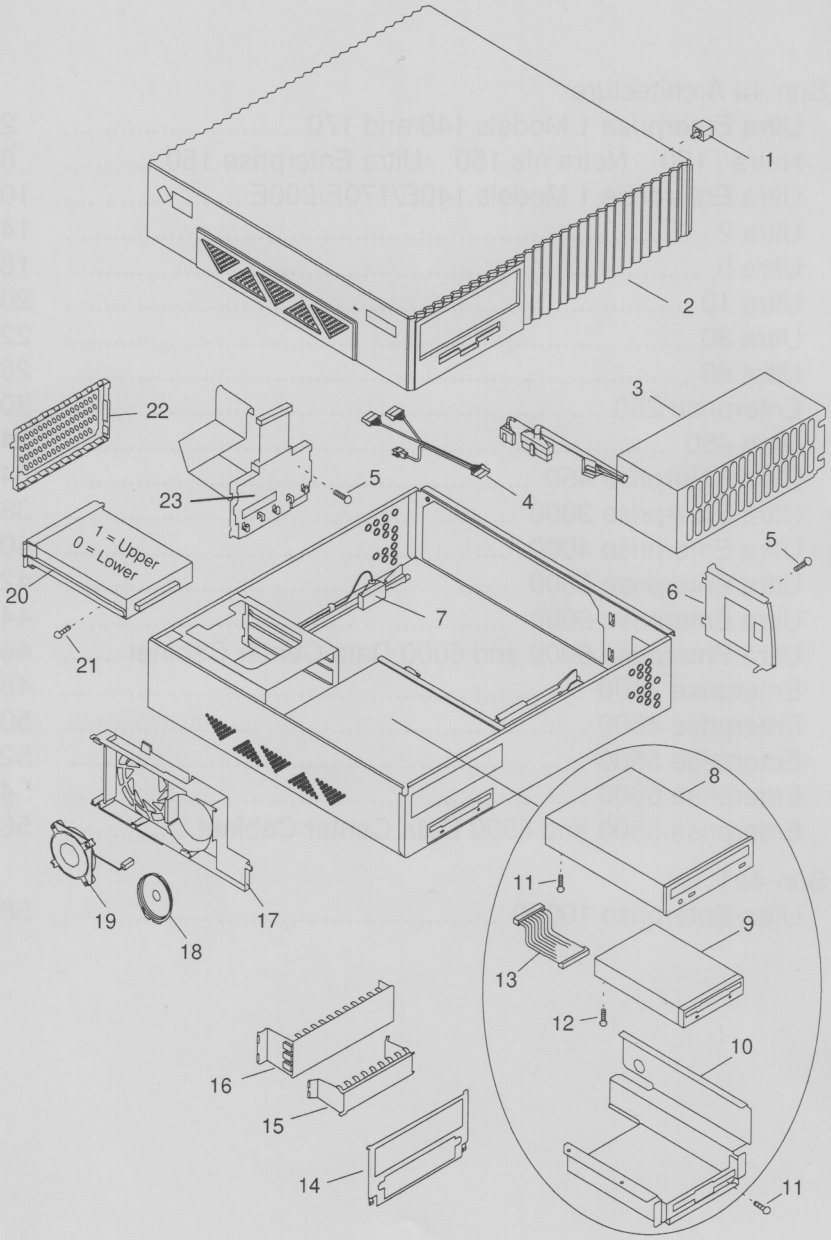
PARTS BREAKDOWN

4u SYSTEM

Ultra 1 Models 140 and 170

A11 Netra *i* 1/140 Netra *j* 1/145 Netra *i* 1/170 Netra *j* 1/170

3-Slot SBus Logic Enclosure



Ultra 1 Models 140 and 170

A11 Netra *i* 1/140 Netra *j* 1/145 Netra *i* 1/170 Netra *j* 1/170

3-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2540	Lockbox
2	540-2650	Top Cover Assembly
3	300-1248	180W Power Supply (obsolete)
3	300-1308	180W Power Supply
4	530-2176	Peripheral and Fan Wire Harness
5	240-2101	M3 Captive Screw
6	330-1896	Power Supply Bezel
7	530-2175	Speaker and LED Wire Harness
8	See next page	Removable Media Option
9	370-2151	3D Floppy Drive
9	370-3212	3D Floppy Drive
-	530-2316	• Floppy DC Power Filter Cable, 76 mm
10	340-3186	Floppy and CD-ROM Mounting Bracket
11	240-1878	#6-32 x 5/16" Screw (CD-ROM)
12	240-1530	M3 x 6 mm Screw (Floppy Drive)
13	530-2187	Floppy Data Cable, 205 mm
14	330-1895	Floppy and CD-ROM Bezel
15	540-2700	Floppy Filler Panel
16	540-2701	CD-ROM Filler Panel
17	540-2710	Speaker Assembly
18	370-1579	• Speaker
19	540-2666	Fan Assembly
20	See next page	Disk Drive Assembly (maximum 1.0" height)
21	240-2080	#6-32 x 3/16" Torx Screw
22	340-3201	Disk Drive Access Cover
23	530-2153	Peripheral Data Cable Assembly, 410 mm
NS	260-6233	Sun Logo
NS	263-0063	Ultra 1 Nameplate
NS	263-0066	Ultra 1 Server Nameplate
NS	262-0060	Netra *i* Nameplate
NS	330-1839	Foot
	802-3819	*Sun Ultra 1 Series Service Manual*

Ultra 1 Models 140 and 170

A11 Netra *i* 1/140 Netra *j* 1/145 Netra *i* 1/170 Netra *j* 1/170

3-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
8	370-1922	14GB 8 mm Tape Drive
8	370-2102	4X CD-ROM
8	370-2176	4-8GB 4 mm DDS-2 Tape Drive
8	370-2377	12-24GB 4 mm DDS-3 Tape Drive
8	370-2881	7-14GB 8 mm Tape Drive
8	370-2816	12X CD-ROM
20	540-2765	1.05GB 5400 RPM Disk Drive Assembly
21	240-2080	• #6-32 x 3/16" Torx Screw
-	330-1951	• Right Side Mounting Rail
-	330-1952	• Left Side Hinged Mounting Rail
-	370-2072	• 1.05GB Disk Drive, IBM DPES-31080, 8-bit
-	370-2168	• 1.05GB Disk Drive, Quantum, 8-bit
20	540-2782	2.1GB 5400 RPM Disk Drive Assembly
21	240-2080	• #6-32 x 3/16" Torx Screw
-	330-1951	• Right Side Mounting Rail
-	330-1952	• Left Side Hinged Mounting Rail
-	370-2071	• 2.1GB Disk Drive, Seagate ST32430WC
-	370-2314	• 2.1GB Disk Drive, Seagate ST32155WC
-	370-2315	• 2.1GB Disk Drive, IBM DORS-32160
20	540-3171	2.1GB 5400 RPM Disk Drive Assembly
21	240-2304	#6-32 x 3/16" Torx Screw
-	540-3024	• 1" Spud Mounting Bracket
-	370-2842	• 2.1GB Disk Drive, IBM DCAS-32160

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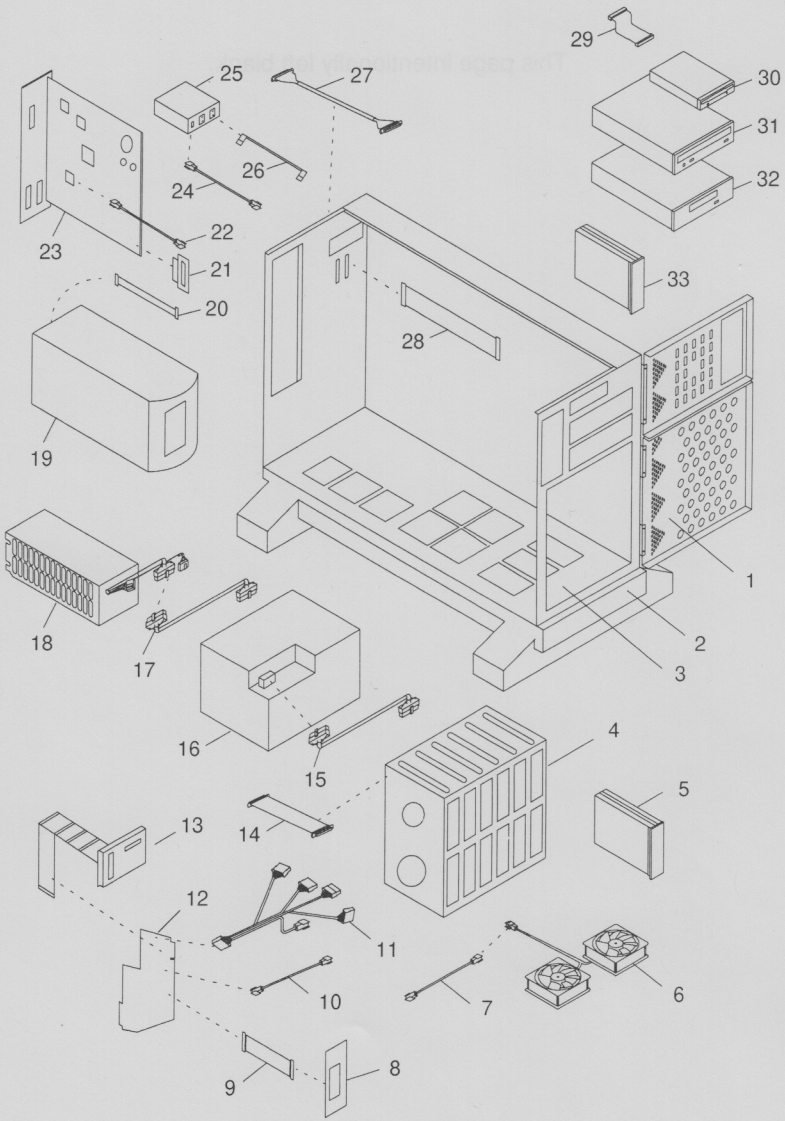
Netra *i* 150 Netra *nfs* 150 E150

Logic Enclosure



Netra *i* 150 Netra *nfs* 150 E150

Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2878	Front Door Assembly (metal hinges) (obsolete)
1	540-2912	Front Door Assembly (plastic hinges)
2	540-2800	Base Assembly
-	240-2307	• Caster
3	540-2801	Chassis Assembly w 330-2024 and 330-2027 (obs)
3	540-3040	Chassis Assembly with 330-2254 and 330-2255
4	None	Cardcage Assembly
-	330-3025	• Cardcage Chassis
-	501-3081	• Backplane
-	540-2860	• Spacer Assembly
5	540-2730	2.1GB 7200 RPM Disk Drive Assembly
5	540-2936	2.1GB 7200 RPM Disk Drive Assembly
5	540-2938	4.2GB 7200 RPM Disk Drive Assembly
6	F370-2266	Fan FRU Assembly (2 fans with connector)
-	370-2266	• Fan (1 fan without connector)
7	530-2262	Fan DC Power Cable
8	370-2259	LCD Assembly
9	530-2261	Controller to LCD Cable
10	530-2256	Backplane to Controller DC Wire Harness
11	530-2255	Peripheral DC Wire Harness
12	501-3089	System Controller
12	501-4308	System Controller
13	530-2253	Floppy/SCSI Data Cable, ≅1M
14	530-2268	Backplane SCSI Loopback Cable, 194 mm
15	530-2257	185W Power Supply to Backplane DC Wire Harness
16	300-1283	185W Power Supply
16	300-1330	185W Power Supply
17	530-2281	180W Power Supply DC Extension Cable
18	300-1308	180W Power Supply
19	370-2240	110V Uninterruptible Power Supply (Netra *nfs* 150)
19	370-2241	230V Uninterruptible Power Supply (Netra *nfs* 150)
20	530-2259	Controller to UPS Cable (Netra *nfs* 150)

Netra *i* 150 Netra *nfs* 150 E150

Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
21	501-3104	System Board to Controller Board Adapter
22	530-2292	Controller to System Board Power Reset Cable
23	501-3082	0MB Ultra 1 Model 170 System Board
24	530-2260	Controller to AC Filter/Switch Cable
25	150-2510	AC Filter/Switch
26	180-1732	AC Power Cbl, 90° IEC 320 - 90° Reverse IEC 320
27	530-1884	External 68-Pin to 68-Pin SCSI Cable, 80 cm
28	530-2282	Internal SCSI Cable, 590 mm
29	530-2258	Floppy Data Cable, 190 mm
30	370-2151	3D Floppy Drive
30	370-3212	3D Floppy Drive
31	370-2102	4X CD-ROM, Light Grey [1]
31	370-2817	12X CD-ROM, Medium Grey [2]
31	370-2816	12X CD-ROM, Light Grey (DEV WO_10665) [2]
32	370-2176	4-8GB 4 mm DDS-2 Tape Drive, Light Grey
32	370-2376	12-24GB 4 mm DDS-3 Tape Drive, Medium Grey [3]
33	540-2730	2.1GB 7200 RPM Disk Drive Assembly [4]
33	540-2936	2.1GB 7200 RPM Disk Drive Assembly [4]

1 The 4X CD-ROM does not fit into Chassis 540-3040.
2 The 12X CD-ROM does not fit into Chassis 540-2801.
3 DC Wire Harness 530-2255-03 is required.
4 The 4.2GB Disk Drive is not supported in the upper drive location.

Netra *i* 150 Netra *nfs* 150 E150

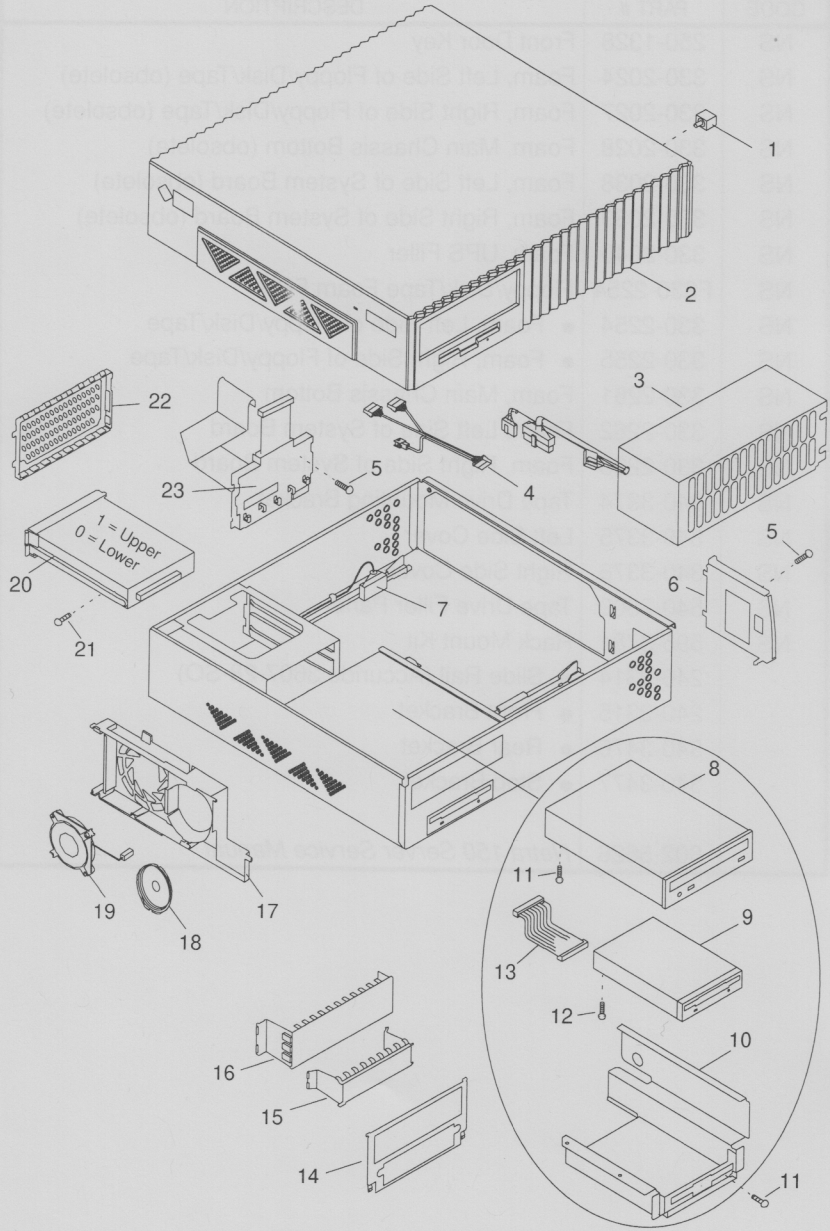
Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
NS	250-1328	Front Door Key
NS	330-2024	Foam, Left Side of Floppy/Disk/Tape (obsolete)
NS	330-2027	Foam, Right Side of Floppy/Disk/Tape (obsolete)
NS	330-2028	Foam, Main Chassis Bottom (obsolete)
NS	330-2038	Foam, Left Side of System Board (obsolete)
NS	330-2039	Foam, Right Side of System Board (obsolete)
NS	330-2040	Foam, UPS Filler
NS	F330-2254	Floppy/Disk/Tape Foam FRU
NS	330-2254	• Foam, Left Side of Floppy/Disk/Tape
NS	330-2255	• Foam, Right Side of Floppy/Disk/Tape
NS	330-2261	Foam, Main Chassis Bottom
NS	330-2262	Foam, Left Side of System Board
NS	330-2263	Foam, Right Side of System Board
NS	340-3374	Tape Drive Mounting Bracket
NS	340-3375	Left Side Cover
NS	340-3376	Right Side Cover
NS	540-2802	Tape Drive Filler Panel
NS	595-3781	Rack Mount Kit
-	240-2314	• Slide Rail (Accuride 3607-28-SO)
-	240-2315	• Front Bracket
-	340-3476	• Rear Bracket
-	340-3477	• Stop Bracket
	802-5626	*Netra 150 Server Service Manual*

Ultra 1 Models 140E/170E/200E

A12 Netra *i* 1/170E Netra *i* 1/200E

2-Slot SBus Logic Enclosure



Ultra 1 Models 140E/170E/200E

A12 Netra *i* 1/170E Netra *i* 1/200E

2-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2540	Lockbox
2	540-2650	Top Cover Assembly
3	300-1248	180W Power Supply (obsolete)
3	300-1308	180W Power Supply
4	530-2176	Peripheral and Fan Wire Harness
5	240-2101	M3 Captive Screw
6	330-1896	Power Supply Bezel
7	530-2175	Speaker and LED Wire Harness
8	See next page	Removable Media Option
9	370-2151	3D Floppy Drive
9	370-3212	3D Floppy Drive
-	530-2316	• Floppy DC Power Filter Cable, 76 mm
10	340-3186	Floppy and CD-ROM Mounting Bracket
11	240-1878	#6-32 x 5/16" Screw (CD-ROM)
12	240-1530	M3 x 6 mm Screw (Floppy Drive)
13	530-2187	Floppy Data Cable, 205 mm
14	330-1895	Floppy and CD-ROM Bezel
15	540-2700	Floppy Filler Panel
16	540-2701	CD-ROM Filler Panel
17	540-2710	Speaker Assembly
18	370-1579	• Speaker
19	540-2666	Fan Assembly
20	See next page	Disk Drive Assembly (maximum 1.0" height)
21	240-2080	#6-32 x 3/16" Torx Screw
22	340-3201	Disk Drive Access Cover
23	530-2153	Peripheral Data Cable Assembly, 410 mm
NS	262-0060	Netra *i* Nameplate
NS	263-0064	Ultra 1 Creator Nameplate
NS	263-0065	Ultra 1 Creator 3D Nameplate
NS	263-0066	Ultra 1 Server Nameplate
NS	260-6233	Sun Logo
NS	330-1839	Foot
	802-4148	*Sun Ultra 1 Creator Series Service Manual*

Ultra 1 Models 140E/170E/200E

A12 Netra *i* 1/170E Netra *i* 1/200E

2-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
8	370-1922	14GB 8 mm Tape Drive
8	370-2102	4X CD-ROM
8	370-2176	4-8GB 4 mm DDS-2 Tape Drive
8	370-2377	12-24GB 4 mm DDS-3 Tape Drive
8	370-2881	7-14GB 8 mm Tape Drive
8	370-2816	12X CD-ROM
20	540-2729	1.05GB 5400 RPM Disk Drive Assembly
21	240-2080	#6-32 x 3/16" Torx Screw
-	330-1951	• Right Side Mounting Rail
-	330-1952	• Left Side Hinged Mounting Rail
-	370-1964	• 1.05GB Disk Drive, Conner CFP1080E, 16-bit
20	540-2730	2.1GB 7200 RPM Disk Drive Assembly
21	240-2080	#6-32 x 3/16" Torx Screw
-	330-1951	• Right Side Mounting Rail
-	330-1952	• Left Side Hinged Mounting Rail
-	370-2040	• 2.1GB Disk Drive, Seagate ST32550WC
-	370-1956	• 2.1GB Disk Drive, IBM DFHS-32160 (disqualified)
20	540-2782	2.1GB 5400 RPM Disk Drive Assembly
21	240-2080	• #6-32 x 3/16" Torx Screw
-	330-1951	• Right Side Mounting Rail
-	330-1952	• Left Side Hinged Mounting Rail
-	370-2071	• 2.1GB Disk Drive, Seagate ST32430WC
-	370-2314	• 2.1GB Disk Drive, Seagate ST32155WC
-	370-2315	• 2.1GB Disk Drive, IBM DORS-32160

Ultra 1 Models 140E/170E/200E

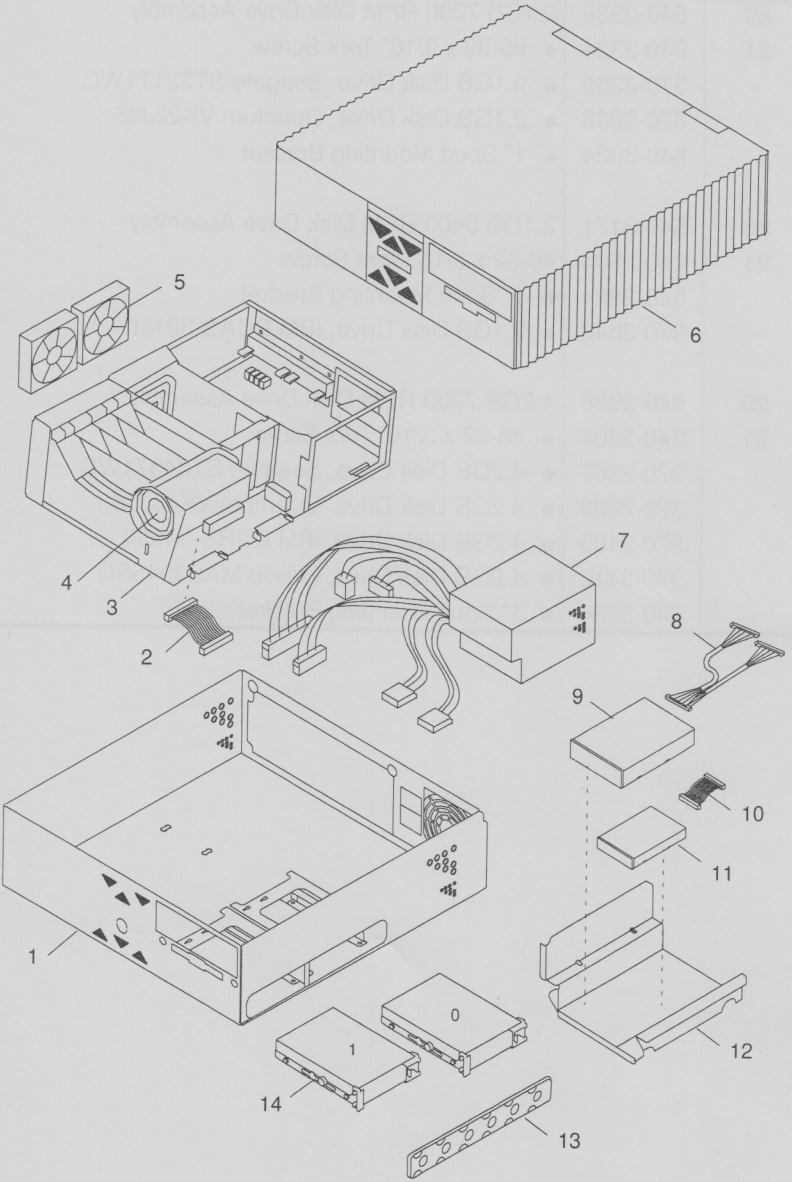
A12 Netra *i* 1/170E Netra *i* 1/200E

2-Slot SBus Logic Enclosure - Continued.

CODE	PART #	DESCRIPTION
20	540-2936	2.1GB 7200 RPM Disk Drive Assembly
21	240-2304	• #6-32 x 3/16" Torx Screw
-	370-2365	• 2.1GB Disk Drive, Seagate ST32171WC
-	370-2808	• 2.1GB Disk Drive, Quantum VK22J05
-	540-3024	• 1" Spud Mounting Bracket
20	540-3171	2.1GB 5400 RPM Disk Drive Assembly
21	240-2304	#6-32 x 3/16" Torx Screw
-	540-3024	• 1" Spud Mounting Bracket
-	370-2842	• 2.1GB Disk Drive, IBM DCAS-32160
20	540-2938	4.2GB 7200 RPM Disk Drive Assembly
21	240-2304	• #6-32 x 3/16" Torx Screw
-	370-2367	• 4.2GB Disk Drive, Seagate ST34371WC
-	370-2809	• 4.2GB Disk Drive, Quantum VK45J05
-	370-3403	• 4.2GB Disk Drive, IBM DDRS-34560
-	370-3412	• 4.2GB Disk Drive, Fujitsu MAB3045SC
-	540-3024	• 1" Spud Mounting Bracket

Ultra 2

A14 Netra *i* 2/1200 Netra *j* 2/1200 Netra *i* 2/1300
Netra *NFS* 2/1300 Netra *NFS* 2/2300
4-Slot SBus Logic Enclosure



Ultra 2

A14 Netra *i*2/1200 Netra *i*2/1300 Netra *j*2/1200 Netra *j*2/1300
Netra *NFS* 2/1300 Netra *NFS* 2/2300
4-Slot SBus Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2598	Base Assembly
-	501-2487	0MB CPU FRU (obsolete)
-	501-3132	0MB CPU FRU
2	530-1451	• Internal SCSI Cable, 70 mm
3	540-2603	• CPU Shroud Assembly/FRU
4	370-1579	• Speaker
5	None	• 92 x 25 mm Fan
6	540-2597	Top Cover
7	300-1249	350 Watt Power Supply, #6-32 Screws (obsolete)
7	300-1309	350 Watt Power Supply, #6-32 Screws
7	300-1315	350 Watt Power Supply, M3 Screws
7	300-1342	350 Watt Power Supply, M3 Screws
8	530-2137	Internal SCSI Cable, 660 mm
9	See next page	Removable Media Option
10	530-2138	Floppy Cable, 320 mm
11	370-2151	3D Floppy
11	370-3212	3D Floppy
-	530-2316	• Floppy DC Power Filter Cable, 76 mm
12	340-3184	Removable Media Mounting Bracket
13	330-1840	Disk Drive Access Cover
14	See next page	Disk Drive Assembly (maximum 1.0" height)
NS	263-0104	Ultra 2 Creator3D Nameplate
NS	263-0105	Ultra 2 Creator Nameplate
NS	263-0107	Ultra 2 Server Nameplate
NS	260-6233	Sun Logo
NS	240-1878	#6-32 x 5/16" Screw
NS	240-2323	#6-32 x 5/8" Screw
NS	240-1530	M3 x 6 mm Screw
NS	240-1394	M3 x 8 mm Screw
NS	330-1841	5.25" Filler Panel
NS	330-1842	3.5" Filler Panel
	802-2561	*Ultra 2 Creator Series Service Manual*

Ultra 2

A14 Netra *i*2/1200 Netra *i*2/1300 Netra *j*2/1200 Netra *j*2/1300 Netra *NFS* 2/1300 Netra *NFS* 2/2300

4-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
9	370-1922	14GB 8 mm Tape Drive
9	370-2018	2.5GB 1/4" QIC Tape Drive
9	370-2102	4X CD-ROM
9	370-2176	4-8GB 4 mm DDS-2 Tape Drive
9	370-2377	12-24GB 4 mm DDS-3 Tape Drive
9	370-2881	7-14GB 8 mm Tape Drive
9	370-2816	12X CD-ROM
9	370-3415	32X CD-ROM
14	540-2730	2.1GB 7200 RPM Disk Drive Assembly
-	240-2080	• #6-32 x 3/16" Torx Screw
-	330-1951	• Right Side Mounting Rail
-	330-1952	• Left Side Hinged Mounting Rail
-	370-2040	• 2.1GB Disk Drive, Seagate ST32550WC
-	370-1956	• 2.1GB Disk Drive, IBM DFHS-32160 (disqualified)
14	540-2782	2.1GB 5400 RPM Disk Drive Assembly
-	240-2080	• #6-32 x 3/16" Torx Screw
-	330-1951	• Right Side Mounting Rail
-	330-1952	• Left Side Hinged Mounting Rail
-	370-2071	• 2.1GB Disk Drive, Seagate ST32430WC
-	370-2314	• 2.1GB Disk Drive, Seagate ST32155WC
-	370-2315	• 2.1GB Disk Drive, IBM DORS-32160
14	540-2936	2.1GB 7200 RPM Disk Drive Assembly
-	240-2304	• #6-32 x 3/16" Torx Screw
-	370-2365	• 2.1GB Disk Drive, Seagate ST32171WC
-	370-2808	• 2.1GB Disk Drive, Quantum VK22J05
-	540-3024	• 1" Spud Mounting Bracket

Ultra 2

A14 Netra *i*2/1200 Netra *i*2/1300 Netra *j*2/1200 Netra *j*2/1300 Netra *NFS* 2/1300 Netra *NFS* 2/2300

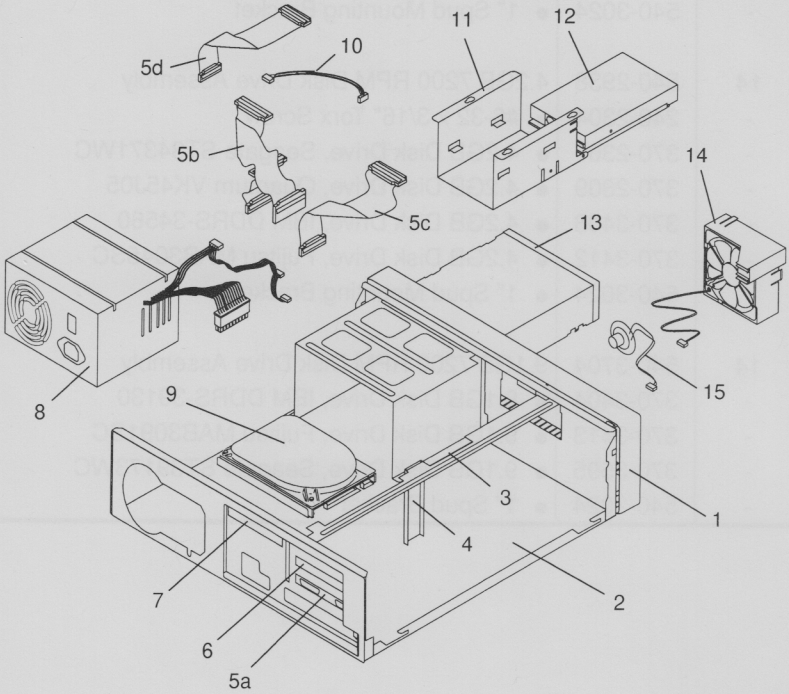
4-Slot SBus Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
14	540-3171	2.1GB 5400 RPM Disk Drive Assembly
-	240-2304	• #6-32 x 3/16" Torx Screw
-	370-2842	• 2.1GB Disk Drive, IBM DCAS-32160
-	540-3024	• 1" Spud Mounting Bracket
14	540-2938	4.2GB 7200 RPM Disk Drive Assembly
-	240-2304	• #6-32 x 3/16" Torx Screw
-	370-2367	• 4.2GB Disk Drive, Seagate ST34371WC
-	370-2809	• 4.2GB Disk Drive, Quantum VK45J05
-	370-3403	• 4.2GB Disk Drive, IBM DDRS-34560
-	370-3412	• 4.2GB Disk Drive, Fujitsu MAB3045SC
-	540-3024	• 1" Spud Mounting Bracket
14	540-3704	9.1GB 7200 RPM Disk Drive Assembly
-	370-3404	• 9.1GB Disk Drive, IBM DDRS-39130
-	370-3413	• 9.1GB Disk Drive, Fujitsu MAB3091SC
-	370-3595	• 9.1GB Disk Drive, Seagate ST39173WC
-	540-3024	• 1" Spud Bracket

Ultra 5

A21

3-Slot PCI Logic Enclosure



Ultra 5

A21

3-Slot PCI Logic Enclosure

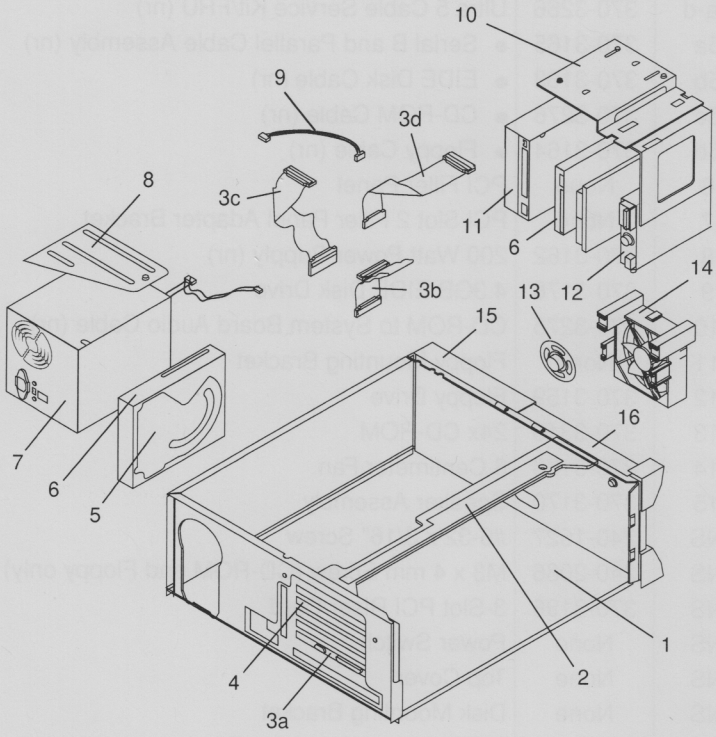
CODE	PART #	DESCRIPTION
1	None	Front Bezel
2	None	Chassis
3	None	Chassis Stiffener
4	None	Vertical Holddown Bracket/Strut
5a-d	370-3266	Ultra 5 Cable Service Kit/FRU (nr)
5a	370-3165	• Serial B and Parallel Cable Assembly (nr)
5b	370-3163	• EIDE Disk Cable (nr)
5c	370-3276	• CD-ROM Cable (nr)
5d	370-3164	• Floppy Cable (nr)
6	None	PCI Filler Panel
7	None	PCI Slot 2 Filler Panel Adapter Bracket
8	370-3162	200 Watt Power Supply (nr)
9	370-3176	4.3GB EIDE Disk Drive
10	370-3275	CD-ROM to System Board Audio Cable (nr)
11	None	Floppy Mounting Bracket
12	370-3159	Floppy Drive
13	370-3319	24x CD-ROM
14	370-3168	8 Centimeter Fan
15	370-3170	Speaker Assembly
NS	240-1527	#6-32 x 3/16" Screw
NS	240-2086	M3 x 4 mm Screw (CD-ROM and Floppy only)
NS	370-3196	3-Slot PCI Riser Card
NS	None	Power Switch
NS	None	Top Cover
NS	None	Disk Mounting Bracket
NS	None	CPU Module Holddown Bracket
NS	None	External 1/2-Height Peripheral Filler Panel
	805-0423	*Ultra 5/10 Service Manual*

Parts described as (nr) have not been engineering released to Rev 50.

Ultra 10

A22

4-Slot PCI Logic Enclosure



Ultra 10

A22

4-Slot PCI Logic Enclosure

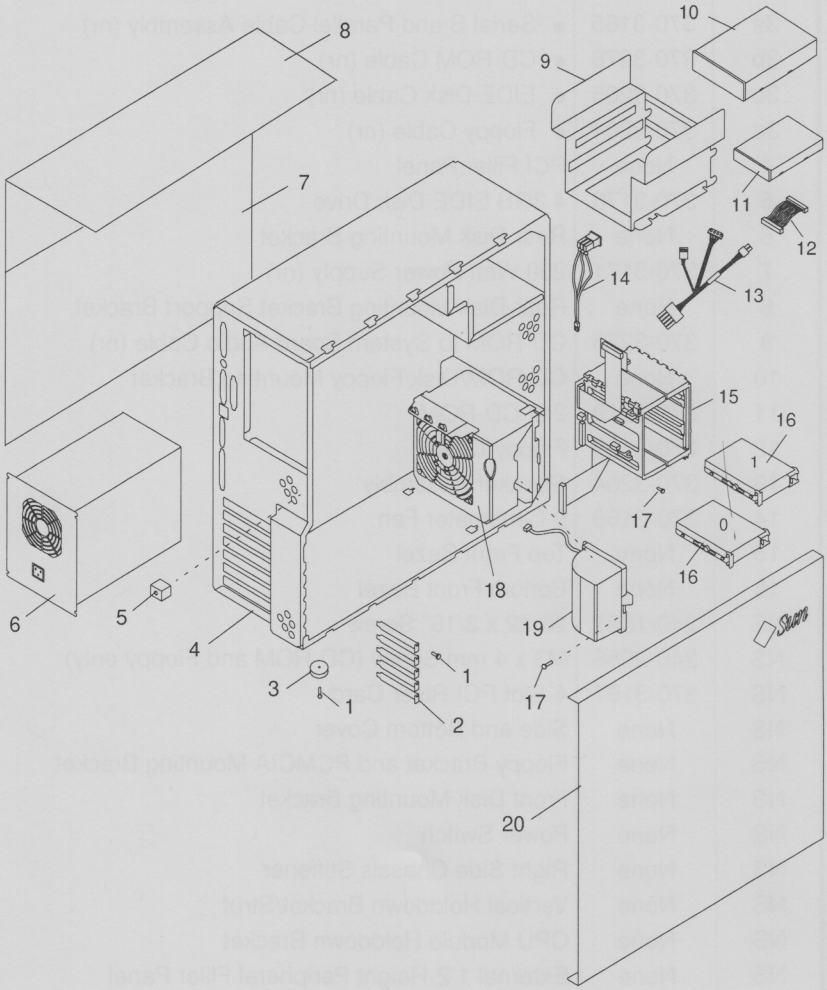
CODE	PART #	DESCRIPTION
1	None	Chassis
2	None	Left Side Chassis Stiffener
3a-d	370-3267	Ultra 10 Cable Service Kit/FRU (nr)
3a	370-3165	• Serial B and Parallel Cable Assembly (nr)
3b	370-3276	• CD-ROM Cable (nr)
3c	370-3205	• EIDE Disk Cable (nr)
3d	370-3204	• Floppy Cable (nr)
4	None	PCI Filler Panel
5	370-3176	4.3GB EIDE Disk Drive
6	None	Rear Disk Mounting Bracket
7	370-3171	250 Watt Power Supply (nr)
8	None	Rear Disk Mounting Bracket Support Bracket
9	370-3275	CD-ROM to System Board Audio Cable (nr)
10	None	CD-ROM/Disk/Floppy Mounting Bracket
11	370-3319	24x CD-ROM
12	370-3159	Floppy Drive
13	370-3264	Speaker Assembly
14	370-3169	9 Centimeter Fan
15	None	Top Front Bezel
16	None	Bottom Front Bezel
NS	240-1527	#6-32 x 3/16" Screw
NS	240-2086	M3 x 4 mm Screw (CD-ROM and Floppy only)
NS	370-3197	4-Slot PCI Riser Card
NS	None	Side and Bottom Cover
NS	None	Floppy Bracket and PCMCIA Mounting Bracket
NS	None	Front Disk Mounting Bracket
NS	None	Power Switch
NS	None	Right Side Chassis Stiffener
NS	None	Vertical Holddown Bracket/Strut
NS	None	CPU Module Holddown Bracket
NS	None	External 1/2-Height Peripheral Filler Panel
	805-0423	*Ultra 5/10 Service Manual*

Parts described as (nr) have not been engineering released to Rev 50.

Ultra 30

A16

4-Slot PCI Logic Enclosure



Ultra 30

A16

4-Slot PCI Logic Enclosure

CODE	PART #	DESCRIPTION
1	240-2711	M3 x 6 mm Screw
2	240-2750	PCI Filler Panel
2	340-3559	Audio Module Filler Panel
3	330-2145	Foot
4	340-3534	Chassis
5	540-2540	Lockbox
6	300-1325	300 Watt Power Supply (Pre-FCS)
6	300-1337	300 Watt Power Supply
6	300-1343	350 Watt Power Supply
7	330-2164	Lower Right Side Cover
8	330-2165	Upper Right Side and Top Cover
9	340-3557	Floppy and CD-ROM Bracket
10	See next page	Removable Media Option
11	370-2729	Manual Eject Floppy Drive
12	530-2346	Floppy Data Cable
13	530-2345	Peripheral DC Wire Harness
14	540-2991	On/Off Switch and Cable Assembly
15	540-3016	Disk Drive Bay FRU Assembly
-	530-2322	• Cable and Backplane Assembly
-	330-2148	• Disk Drive Bay
16	See next page	Disk Drive Assembly
17	240-2714	M3 x 10 mm Screw
18	540-3017	Fan FRU Assembly
19	540-2975	Speaker FRU Assembly
-	370-1579	• Speaker
20	540-3015	Left Side Cover, Purple

Ultra 30

A16

Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
10	370-2018	2.5GB 1/4" QIC Tape Drive
10	370-3279	4-8GB 1/4" SLR Tape Drive
10	370-2176	4-8GB 4 mm DDS-2 Tape Drive
10	370-2377	12-24GB 4 mm DDS-3 Tape Drive
10	370-2816	12x CD-ROM, 1.6" Height
10	370-3415	32x CD-ROM, 1.6" Height
10	370-2881	7-14GB 8 mm Tape Drive
16	540-2936	2.1GB 7200 RPM Disk Drive Assembly
-	240-2304	• #6-32 x 3/16" Torx Screw
-	370-2365	• 2.1GB Disk Drive, Seagate ST32171WC
-	370-2808	• 2.1GB Disk Drive, Quantum VK22J05
-	540-3024	• 1" Spud Mounting Bracket
16	540-2938	4.2GB 7200 RPM Disk Drive Assembly
-	240-2304	• #6-32 x 3/16" Torx Screw
-	370-2367	• 4.2GB Disk Drive, Seagate ST34371WC
-	370-2809	• 4.2GB Disk Drive, Quantum VK45J05
-	370-3403	• 4.2GB Disk Drive, IBM DDRS-34560
-	370-3412	• 4.2GB Disk Drive, Fujitsu MAB3045SC
-	540-3024	• 1" Spud Mounting Bracket
16	540-2951	9.1GB 7200 RPM Disk Drive Assembly
-	370-2369	• 9.1GB Disk Drive, Seagate ST19171WC
-	540-3025	• 1.6" Spud Bracket
16	540-3704	9.1GB 7200 RPM Disk Drive Assembly
-	370-3404	• 9.1GB Disk Drive, IBM DDRS-39130
-	370-3413	• 9.1GB Disk Drive, Fujitsu MAB3091SC
-	370-3595	• 9.1GB Disk Drive, Seagate ST39173WC
-	540-3024	• 1" Spud Bracket

Ultra 30

A16

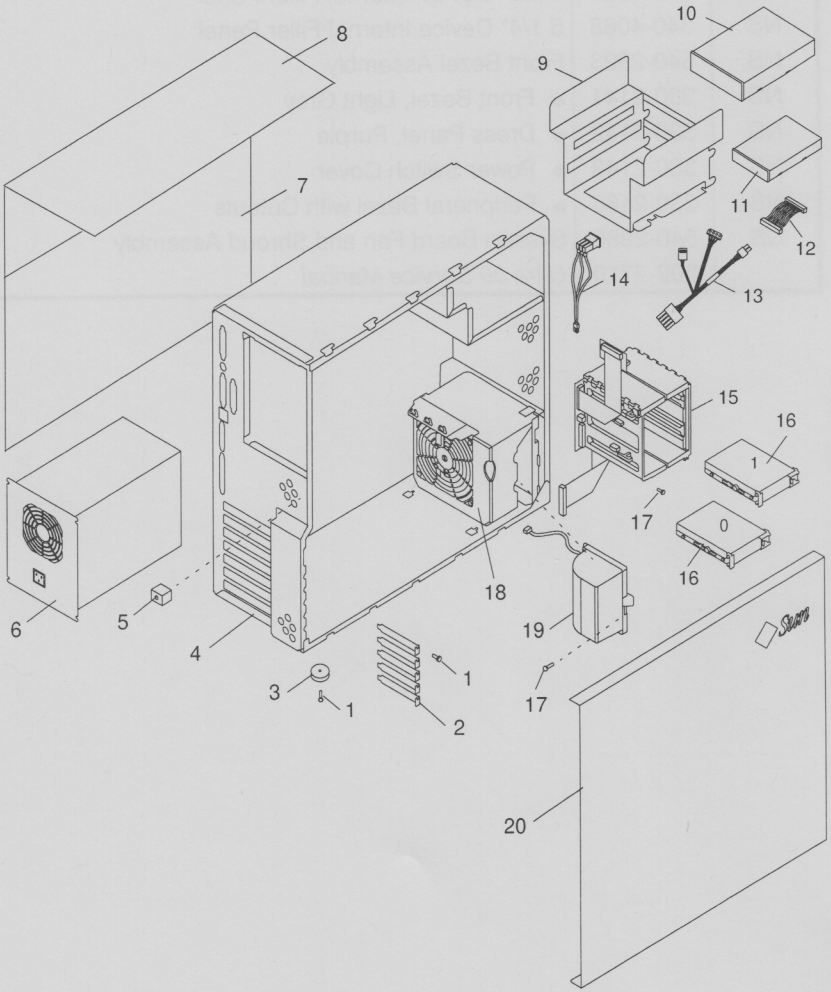
Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
NS	330-2186	5 1/4" Device External Filler Panel
NS	330-2187	3 1/2" Device External Filler Panel
NS	340-4067	3 1/2" Device Internal Filler Panel
NS	340-4068	5 1/4" Device Internal Filler Panel
NS	540-2923	Front Bezel Assembly
NS	330-2141	• Front Bezel, Light Grey
NS	330-2142	• Dress Panel, Purple
NS	330-2143	• Power Switch Cover
NS	330-2166	• Peripheral Bezel with Cutouts
NS	540-2986	System Board Fan and Shroud Assembly
	802-7719	*Ultra 30 Service Manual*

Ultra 60

A23

4-Slot PCI Logic Enclosure



Ultra 60

A23

4-Slot PCI Logic Enclosure

CODE	PART #	DESCRIPTION
1	240-2711	M3 x 6 mm Screw
2	240-2750	PCI Filler Panel
2	340-3559	Audio Module Filler Panel
3	330-2145	Foot
4	340-3534	Chassis
5	540-2540	Lockbox
6	300-1343	350 Watt Power Supply
7	330-2164	Lower Right Side Cover
8	330-2165	Upper Right Side and Top Cover
9	340-3557	Floppy and CD-ROM Bracket
10	See next page	Removable Media Option
11	370-2729	Manual Eject Floppy Drive
12	530-2346	Floppy Data Cable
13	530-2345	Peripheral DC Wire Harness
14	540-2991	On/Off Switch and Cable Assembly
15	540-3016	Disk Drive Bay FRU Assembly
-	530-2322	• Cable and Backplane Assembly
-	330-2148	• Disk Drive Bay
16	See next page	Disk Drive Assembly
17	240-2714	M3 x 10 mm Screw
18	540-3017	Fan FRU Assembly
19	540-2975	Speaker FRU Assembly
-	370-1579	• Speaker
20	540-3365	Left Side Cover, Light Grey

Ultra 60

A23

4-Slot PCI Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
10	370-2018	2.5GB 1/4" QIC Tape Drive
10	370-3279	4-8GB 1/4" SLR Tape Drive
10	370-2176	4-8GB 4 mm DDS-2 Tape Drive
10	370-2377	12-24GB 4 mm DDS-3 Tape Drive
10	370-2816	12x CD-ROM, 1.6" Height
10	370-3415	32x CD-ROM, 1.6" Height
10	370-2881	7-14GB 8 mm Tape Drive
16	540-2936	2.1GB 7200 RPM Disk Drive Assembly
-	240-2304	• #6-32 x 3/16" Torx Screw
-	370-2365	• 2.1GB Disk Drive, Seagate ST32171WC
-	370-2808	• 2.1GB Disk Drive, Quantum VK22J05
-	540-3024	• 1" Spud Mounting Bracket
16	540-2938	4.2GB 7200 RPM Disk Drive Assembly
-	240-2304	• #6-32 x 3/16" Torx Screw
-	370-2367	• 4.2GB Disk Drive, Seagate ST34371WC
-	370-2809	• 4.2GB Disk Drive, Quantum VK45J05
-	370-3403	• 4.2GB Disk Drive, IBM DDRS-34560
-	370-3412	• 4.2GB Disk Drive, Fujitsu MAB3045SC
-	540-3024	• 1" Spud Mounting Bracket
16	540-2951	9.1GB 7200 RPM Disk Drive Assembly
-	370-2369	• 9.1GB Disk Drive, Seagate ST19171WC
-	540-3025	• 1.6" Spud Bracket
16	540-3704	9.1GB 7200 RPM Disk Drive Assembly
-	370-3404	• 9.1GB Disk Drive, IBM DDRS-39130
-	370-3413	• 9.1GB Disk Drive, Fujitsu MAB3091SC
-	370-3595	• 9.1GB Disk Drive, Seagate ST39173WC
-	540-3024	• 1" Spud Bracket
16	540-3719	18.2GB 7200 RPM Disk Drive FRU Assembly
-	370-3414	• 18.2GB Disk Drive, Fujitsu MAA3182SC
-	540-3025	• 1.6" Spud Bracket

Ultra 60

A23

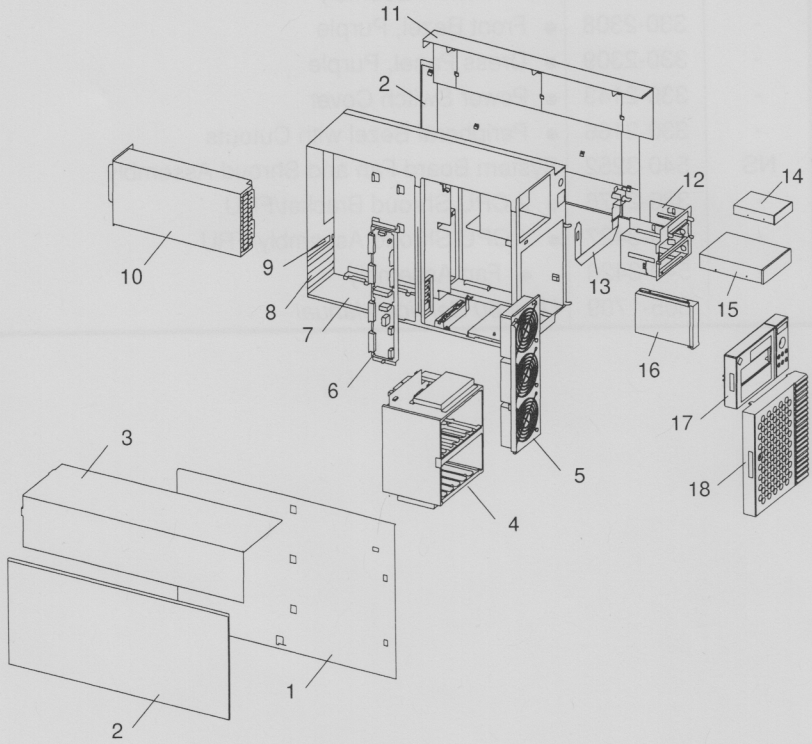
4-Slot PCI Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
NS	330-2186	5 1/4" Device External Filler Panel
NS	330-2187	3 1/2" Device External Filler Panel
NS	340-4067	3 1/2" Device Internal Filler Panel
NS	340-4068	5 1/4 " Device Internal Filler Panel
NS	540-3253	Front Bezel Assembly
-	330-2308	• Front Bezel, Purple
-	330-2309	• Dress Panel, Purple
-	330-2143	• Power Switch Cover
-	330-2166	• Peripheral Bezel with Cutouts
NS	540-3252	System Board Fan and Shroud Assembly
-	330-2376	• 2 CPU Shroud Bracket/FRU
-	540-3427	• 1 CPU Shroud Assembly/FRU
-	540-3428	• Fan Assembly
	805-1709	*Ultra 60 Service Manual*

Ultra 250

A26

4-Slot PCI Logic Enclosure



Enterprise 250

A26

4-Slot PCI Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-3453	Left Side Cover
2	330-2152	Purple Lower Left/Right Side Cover
3	330-2137	Light Grey Upper Left Side and Top Cover
4	540-3355	Disk Drive Backplane Assembly
-	501-4682	• 6-Disk Backplane
5	540-3274	3-Fan Fan Assembly
6	501-4683	DC Power Distribution Board
7	340-4070	Chassis
8	340-3256	PCI Filler Panel
9	501-4818	Remote System Console Board and Cable
-	530-2526	• Remote System Console Cable
10	300-1352	360 Watt Power Supply
11	330-2138	Light Grey Upper Right Side and Top Cover
12	540-3351	RMA Assembly
-	340-4072	• Removable Media Bracket
13	540-3604	Keyswitch and LED Assembly with Cables
-	370-3324	• LED and Cable Assembly
-	530-2527	• Keyswitch Assembly
14	370-2730	Manual Eject Floppy Drive, Medium Grey
15	See next page	Removable Media Option
16	See next page	Disk Drive Assembly
17	540-3273	Front Top Bezel Assembly
18	540-3352	Front Bottom Door Assembly
NS	250-1317	Key
NS	330-2399	5 1/4" Device External Filler Panel
NS	330-2400	3 1/2" Device External Filler Panel
NS	330-2522	Foot (Option 9605)
NS	340-4067	3 1/2" Device Internal Filler Panel
NS	340-4068	5 1/4 " Device Internal Filler Panel
NS	340-4416	Power Supply Filler Panel

Enterprise 250

A26

4-Slot PCI Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
15	370-2817	12x CD-ROM, Medium Grey
15	370-3280	4-8GB 1/4" SLR Tape Drive, Medium Grey
15	370-3372	25-50GB 1/4" MLR Tape Drive, Medium Grey
15	370-2376	12-24GB 4 mm DDS-3 Tape Drive, Medium Grey
15	370-2882	7-14GB 8 mm Tape Drive, Medium Grey
16	540-2951	9.1GB 7200 RPM Disk Drive (replaced by 540-3704)
-	370-2369	• 9.1GB Disk Drive, Seagate ST19171WC
-	540-3025	• 1.6" Spud Bracket
16	540-3704	9.1GB 7200 RPM Disk Drive Assembly
-	370-3404	• 9.1GB Disk Drive, IBM DDRS-39130
-	370-3413	• 9.1GB Disk Drive, Fujitsu MAB3091SC
-	370-3595	• 9.1GB Disk Drive, Seagate ST39173WC
-	540-3024	• 1" Spud Bracket
NS	530-2439	Backplane to Floppy Data Cable
NS	530-2440	Backplane to RMA Tray DC Power Cable
NS	530-2441	CPU to DC Distribution 6-Pin Power Cable
NS	530-2443	Backplane to DC Distribution Power Cable
NS	530-2444	CPU to DC Distribution 4-Pin Power Cable
NS	530-2446	Backplane to RMA SCSI Device Data Cable
NS	530-2480	CPU to DC Distribution/I²C 14-Pin Sense Cable
NS	530-2481	CPU to DC Distribution 16-Pin Sense Cable
NS	530-2482	Interlock Cable
NS	530-2525	Backplane to DC Distribution Key/LED/I²C Cable
NS	530-2685	Fan Tray to DC Distribution Power Cable
NS	540-2540	Lockbox
NS	540-3357	Castor Assembly (Option 9604)
NS	595-4872	Rack Mount Kit
-	240-2314	• Slide Rail (Accuride 3607-28-SO)
-	340-4856	• Front Bracket
-	340-5149	• Stop Bracket
-	340-5161	• Rear Bracket
	805-3389	*Enterprise 250 Owners Manual*

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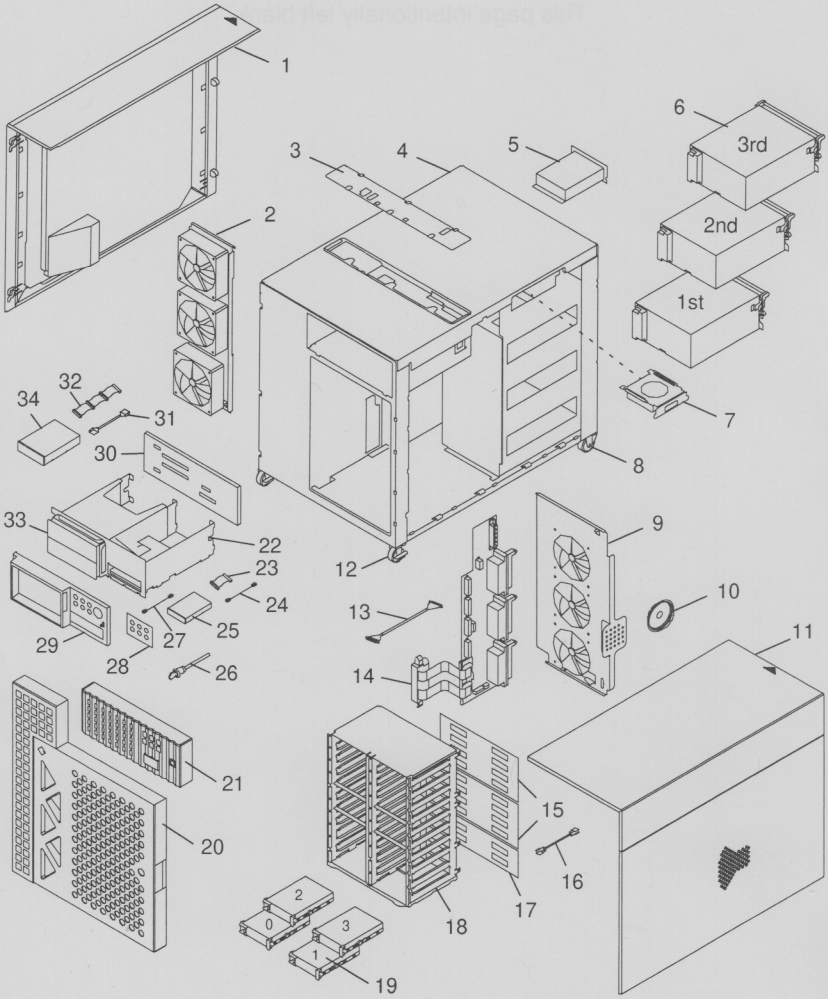
Ultra 450 Ultra Enterprise 450

A20 A25

10-Slot PCI Logic Enclosure



Ultra 450 Ultra Enterprise 450

A20 A25

10-Slot PCI Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2835	Left Panel
2	540-2840	CPU Fan Tray Assembly
-	370-2292	• 120 mm Fan (x3)
3	540-3032	Cable Access Door Assembly
4	540-2833	Chassis Enclosure Assembly
-	340-3420	• Chassis
5	370-2160	AC Line Filter
6	300-1302	560W Power Supply
6	340-3516	Power Supply Filler Panel
7	540-3023	Blower Assembly [1]
-	370-2337	• Blower
-	340-3648	• Blower Plate
8	240-2312	Caster (x2)
9	540-2841	Disk Tray Fan/Speaker Assembly
10	370-1579	• Speaker
-	370-2322	• 120 mm Fan (x3)
11	540-2836	Right Panel
12	240-2343	Locking Caster (x2)
13	530-2364	DC Power Cable, 8-Disk Backplane
13	530-2365	DC Power Cable, Removable Media Tray
14	501-3100	DC Power Distribution Board
15	501-4189	8-Slot SCSI Backplane
16	530-2355	I2C Cable, 8-Disk Backplane
17	501-4148	4-Slot SCSI Backplane
18	540-2831	20-Slot Disk Drive Chassis
	805-0429	*UltraSPARC Server Owners Guide*
	805-0430	*UltraSPARC Workstation Owners Guide*

[1] The Wrench Icon is lit when Blower 540-3023 or Loopback Plug 530-2509 is not connected to J4705 on the System Board.

Ultra 450 Ultra Enterprise 450

A20 A25

10-Slot PCI Logic Enclosure - Continued

CODE	PART #	DESCRIPTION
19	540-2938	4.2GB 7200 RPM Disk Drive Assembly
-	370-2809	• 4.2GB Disk Drive, Quantum VK45J05
-	370-2367	• 4.2GB Disk Drive, Seagate ST34371WC
-	370-3403	• 4.2GB Disk Drive, IBM DDRS-34560
	370-3412	• 4.2GB Disk Drive, Fujitsu MAB3045SC
-	540-3024	• 1" Spud Bracket
19	540-3704	9.1GB 7200 RPM Disk Drive Assembly
-	370-3404	• 9.1GB Disk Drive, IBM DDRS-39130
-	370-3413	• 9.1GB Disk Drive, Fujitsu MAB3091SC
-	370-3595	• 9.1GB Disk Drive, Seagate ST39173WC
-	540-3024	• 1" Spud Bracket
20	540-2832	Front Door Assembly
21	540-2910	Removable Media Door Assembly
22	540-2903	Removable Media Tray Assembly
22	540-3366	• Tray Assembly
23	530-2339	• Floppy Data Cable, 7 cm
24	530-2340	• Floppy Power Cable
25	370-2730	• Floppy Drive
26	530-2314	• Keyswitch Assembly
-	250-1317	• Key
27	530-2363	• LED Cable
28	501-4270	• LED PCB
29	330-2058	• Removable Media Tray Bezel
30	501-3128	• Removable Media Backplane
31	530-2338	• SCSI Power Cable
32	530-2337	• SCSI Data Cable, 39 cm
33	540-3002	1/2-Height Filler Panel
34	370-2817	12x CD-ROM, Medium Grey
34	370-2376	12-24GB 4 mm DDS-3 Tape Drive, Medium Grey
34	370-2882	7-14GB 8 mm Tape Drive, Medium Grey
34	370-3280	4-8GB 1/4" SLR Tape Drive, Medium Grey

Ultra 450 Ultra Enterprise 450

A20 A25

10-Slot PCI Logic Enclosure - Continued

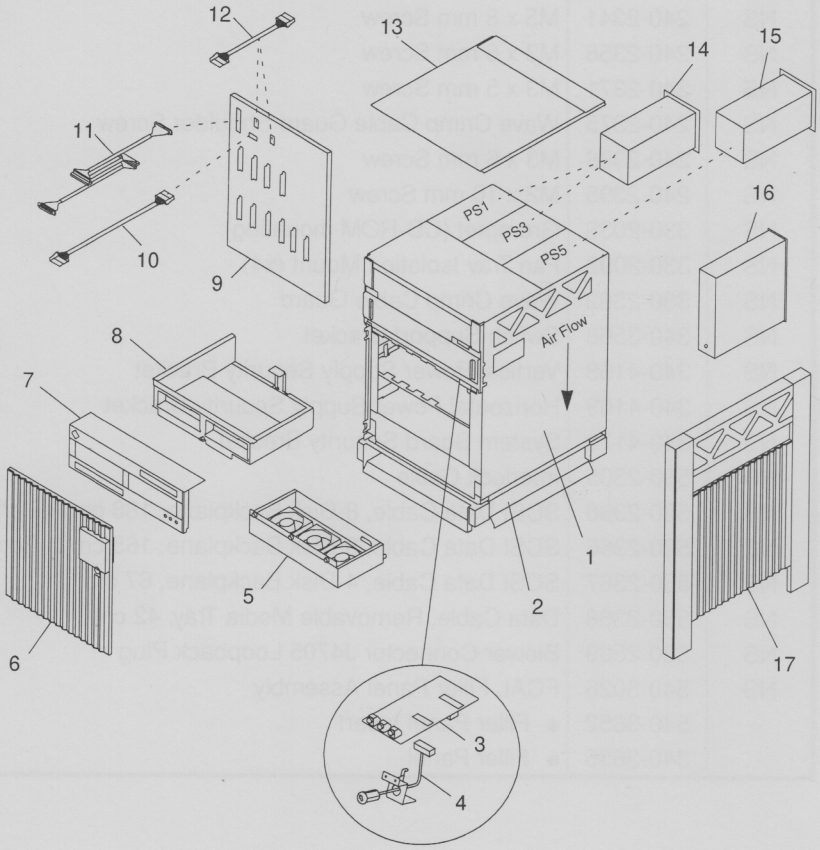
CODE	PART #	DESCRIPTION
NS	240-1475	M4 x 8 mm Screw
NS	240-2135	M3 x 12 mm Screw
NS	240-2295	M3 Shoulder Screw (CD-ROM mounting)
NS	240-2341	M5 x 8 mm Screw
NS	240-2356	M3 x 6 mm Screw
NS	240-2371	M3 x 5 mm Screw
NS	240-2375	Wave Crimp Cable Guard Shoulder Screw
NS	240-2388	M3 x 6 mm Screw
NS	240-2395	M2 x 10 mm Screw
NS	330-2036	Grommet (CD-ROM mounting)
NS	330-2098	Fan Tray Isolation Mount (x4)
NS	330-2362	Wave Crimp Cable Guard
NS	340-3508	Switch Support Bracket
NS	340-4168	Vertical Power Supply Security Bracket
NS	340-4169	Horizontal Power Supply Security Bracket
NS	340-4170	System Board Security Bracket
NS	530-2305	Interlock Cable
NS	530-2366	SCSI Data Cable, 8-Disk Backplane, 188 cm A-Port
NS	530-2366	SCSI Data Cable, 8-Disk Backplane, 165 cm B-Port
NS	530-2367	SCSI Data Cable, 4-Disk Backplane, 67 cm
NS	530-2368	Data Cable, Removable Media Tray, 42 cm
NS	530-2509	Blower Connector J4705 Loopback Plug [1]
NS	540-3026	FCAL Filler Panel Assembly
-	540-3652	• Filler Panel Insert
-	340-3655	• Filler Panel

[1] The Wrench Icon is lit when Blower 540-3023 or Loopback Plug 530-2509 is not connected to J4705 on the System Board.

Ultra Enterprise 3000

A17 E3000 E3001 E3002 Netra *i* 3000

4-Slot Logic Enclosure



Ultra Enterprise 3000

A17 E3000 E3001 E3002 Netra *i* 3000

4-Slot Logic Enclosure

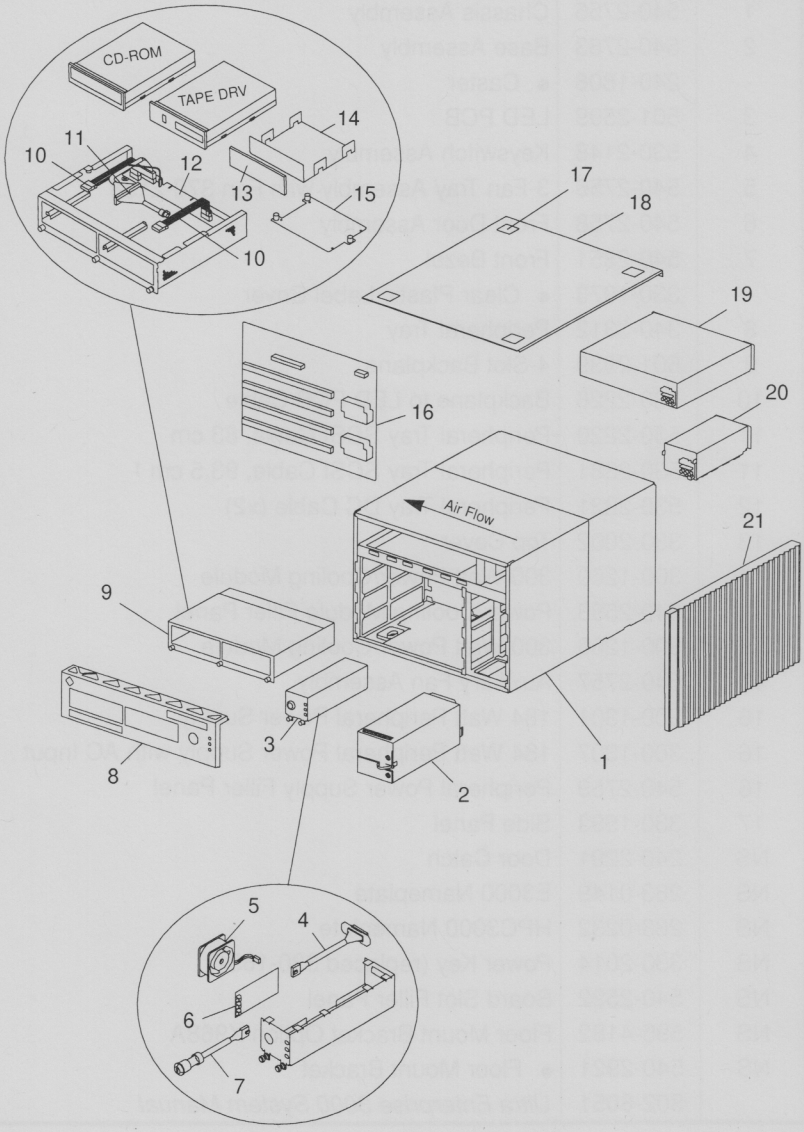
CODE	PART #	DESCRIPTION
1	540-2755	Chassis Assembly
2	540-2783	Base Assembly
-	240-1806	• Caster
3	501-2599	LED PCB
4	530-2148	Keyswitch Assembly
5	540-2756	3-Fan Tray Assembly with Fan 370-2158
6	540-2758	Front Door Assembly
7	540-2851	Front Bezel
-	330-1973	• Clear Plastic Label Cover
8	340-3312	Peripheral Tray
9	501-2939	4-Slot Backplane
10	530-2226	Backplane to LED PCB Cable
11	530-2220	Peripheral Tray SCSI Cable, 83 cm
11	530-2381	Peripheral Tray SCSI Cable, 93.5 cm [1]
12	530-2221	Peripheral Tray DC Cable (x2)
13	330-2002	Top Cover
14	300-1260	300 Watt Power/Cooling Module
14	540-2593	Power/Cooling Module Filler Panel
15	300-1260	300 Watt Power/Cooling Module
15	540-2757	Auxiliary Fan Assembly
16	300-1301	184 Watt Peripheral Power Supply
16	300-1307	184 Watt Peripheral Power Supply with AC Input
16	540-2759	Peripheral Power Supply Filler Panel
17	330-1993	Side Panel
NS	240-2291	Door Catch
NS	263-0149	E3000 Nameplate
NS	263-0232	HPC3000 Nameplate
NS	330-2014	Power Key (replaced 330-1651)
NS	540-2592	Board Slot Filler Panel
NS	595-4182	Floor Mount Bracket Option X968A
NS	540-2921	• Floor Mount Bracket
	802-6051	*Ultra Enterprise 3000 System Manual*

[1] The 20-40GB 8 mm Tape Drive requires cable 530-2381.

Ultra Enterprise 4000

A18 E4000 E4001 E4002 Netra *i* 4000 Netra *j* 4000

8-Slot Logic Enclosure



Ultra Enterprise 4000

A18 E4000 E4001 E4002 Netra *i* 4000 Netra *j* 4000

8-Slot Logic Enclosure

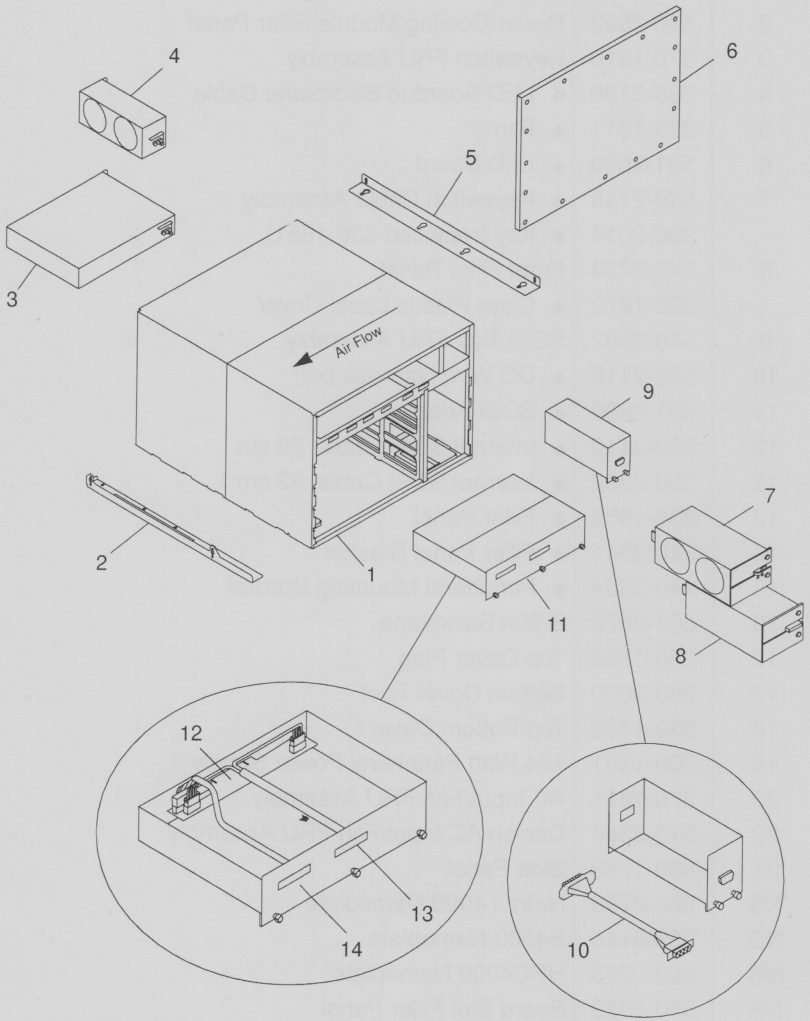
CODE	PART #	DESCRIPTION
1	540-2707	8-Slot Chassis Assembly
2	300-1260	300 Watt Power/Cooling Module
2	540-2593	Power/Cooling Module Filler Panel
3	370-1810	Keyswitch FRU Assembly
4	530-2198	• LED Board to Backplane Cable
5	370-1911	• Fan
6	501-2599	• LED Board
7	530-2148	• Keyswitch Cable Assembly
-	330-2014	• Key (replaced 330-1651)
8	540-2734	Front Filler Panel
-	330-1973	• Clear Plastic Label Cover
9	540-2587	SCSI Tray FRU Assembly
10	530-2118	• DC Wire Harness (x2)
11	501-2600	• SCSI Adapter
12	530-2119	• Internal SCSI Cable, 59 cm
12	530-2382	• Internal SCSI Cable, 63 cm [1]
13	330-1939	• Filler Panel
14	340-3341	• Filler Panel Bracket
15	340-3304	• Peripheral Mounting Bracket
16	501-2978	8-Slot Backplane
17	330-1999	Top Cover Plug
17	330-2000	Bottom Cover Foot
18	330-1782	Top/Bottom Cover
19	300-1301	184 Watt Peripheral Power Supply
20	370-1811	AC Input/Fan FRU Assembly
20	370-2364	Danish AC Input/Fan FRU Assembly
21	330-1783	Side Panel
NS	262-0758	Netra *i* 4000 Nameplate
NS	263-0146	E4000 Nameplate
NS	263-0233	HPC4000 Nameplate
NS	540-2592	Board Slot Filler Panel
	802-3845	*Ultra Enterprise 4000/5000/6000 System Manual*

[1] The 20-40GB 8 mm Tape Drive requires cable 530-2382.

Ultra Enterprise 5000

E5000 E5001 E5002 Netra *i* 5000 Netra *j* 5000

8-Slot Logic Enclosure



Ultra Enterprise 5000

E5000 E5001 E5002 Netra *i* 5000 Netra *j* 5000

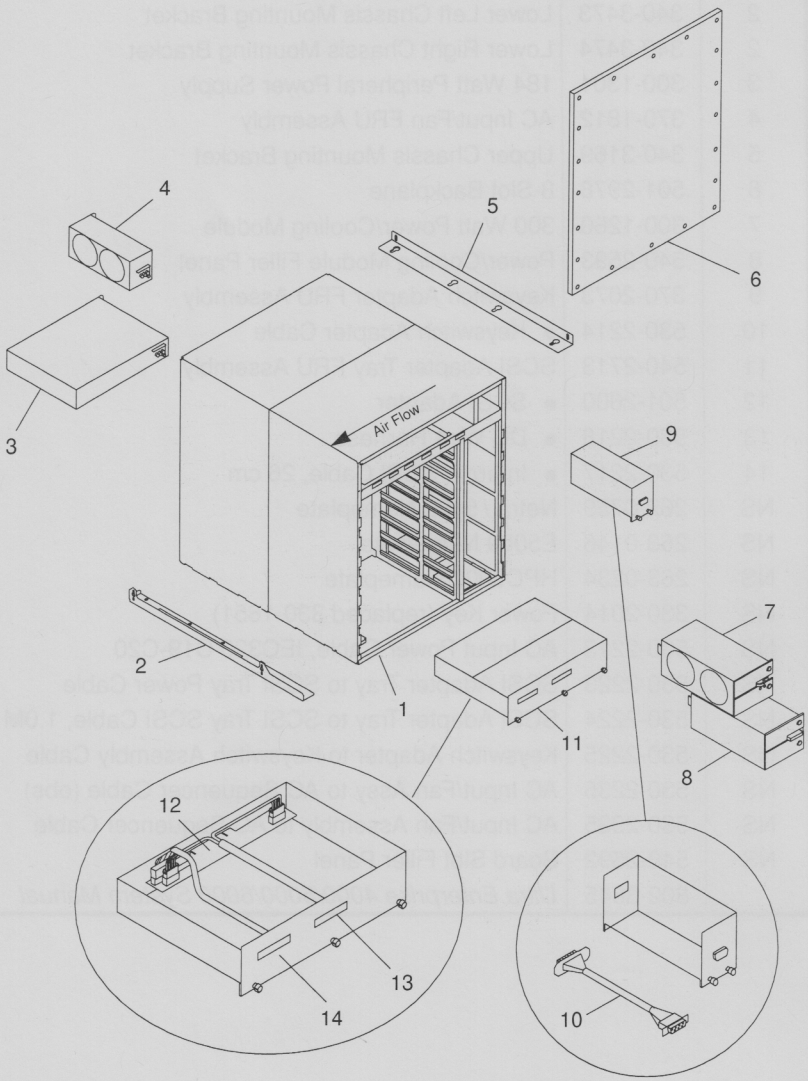
8-Slot Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2774	8-Slot Chassis Assembly 540-2774-01
2	340-3473	Lower Left Chassis Mounting Bracket
2	340-3474	Lower Right Chassis Mounting Bracket
3	300-1301	184 Watt Peripheral Power Supply
4	370-1812	AC Input/Fan FRU Assembly
5	340-3169	Upper Chassis Mounting Bracket
6	501-2978	8-Slot Backplane
7	300-1260	300 Watt Power/Cooling Module
8	540-2593	Power/Cooling Module Filler Panel
9	370-2073	Keyswitch Adapter FRU Assembly
10	530-2214	• Keyswitch Adapter Cable
11	540-2713	SCSI Adapter Tray FRU Assembly
12	501-2600	• SCSI Adapter
13	530-2218	• DC Wire Harness
14	530-2217	• Internal SCSI Cable, 26 cm
NS	262-0759	Netra *i* 5000 Nameplate
NS	263-0146	E5000 Nameplate
NS	263-0234	HPC5000 Nameplate
NS	330-2014	Power Key (replaced 330-1651)
NS	530-2213	AC Input Power Cable, IEC320 C19-C20
NS	530-2223	SCSI Adapter Tray to SCSI Tray Power Cable
NS	530-2224	SCSI Adapter Tray to SCSI Tray SCSI Cable, 1.0M
NS	530-2225	Keyswitch Adapter to Keyswitch Assembly Cable
NS	530-2235	AC Input/Fan Assy to AC Sequencer Cable (obs)
NS	530-2325	AC Input/Fan Assembly to AC Sequencer Cable
NS	540-2592	Board Slot Filler Panel
	802-3845	*Ultra Enterprise 4000/5000/6000 System Manual*

Ultra Enterprise 6000

E6000 E6001 E6002

16-Slot Logic Enclosure



Ultra Enterprise 6000

E6000 E6001 E6002

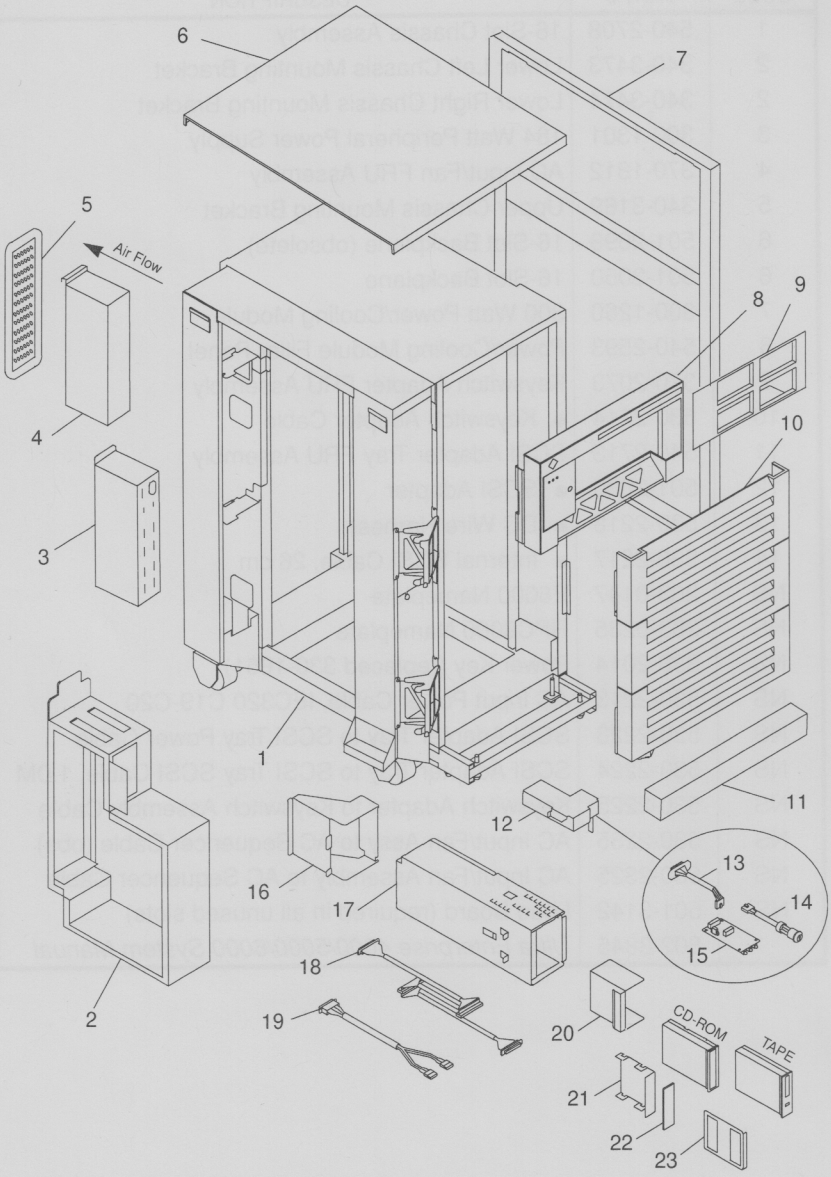
16-Slot Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-2708	16-Slot Chassis Assembly
2	340-3473	Lower Left Chassis Mounting Bracket
2	340-3474	Lower Right Chassis Mounting Bracket
3	300-1301	184 Watt Peripheral Power Supply
4	370-1812	AC Input/Fan FRU Assembly
5	340-3169	Upper Chassis Mounting Bracket
6	501-2699	16-Slot Backplane (obsolete)
6	501-3050	16-Slot Backplane
7	300-1260	300 Watt Power/Cooling Module
8	540-2593	Power/Cooling Module Filler Panel
9	370-2073	Keyswitch Adapter FRU Assembly
10	530-2214	• Keyswitch Adapter Cable
11	540-2713	SCSI Adapter Tray FRU Assembly
12	501-2600	• SCSI Adapter
13	530-2218	• DC Wire Harness
14	530-2217	• Internal SCSI Cable, 26 cm
NS	263-0147	E6000 Nameplate
NS	263-0235	HPC6000 Nameplate
NS	330-2014	Power Key (replaced 330-1651)
NS	530-2213	AC Input Power Cable, IEC320 C19-C20
NS	530-2223	SCSI Adapter Tray to SCSI Tray Power Cable
NS	530-2224	SCSI Adapter Tray to SCSI Tray SCSI Cable, 1.0M
NS	530-2225	Keyswitch Adapter to Keyswitch Assembly Cable
NS	530-2235	AC Input/Fan Assy to AC Sequencer Cable (obs)
NS	530-2325	AC Input/Fan Assembly to AC Sequencer Cable
NS	501-3142	Load Board (required in all unused slots)
	802-3845	*Ultra Enterprise 4000/5000/6000 System Manual*

Ultra Enterprise 5000 and 6000

E5000 E5001 E5002 E6000 E6001 E6002

56-inch Data Center Cabinet



Ultra Enterprise 5000 and 6000

E5000 E5001 E5002 E6000 E6001 E6002

56-inch Data Center Cabinet

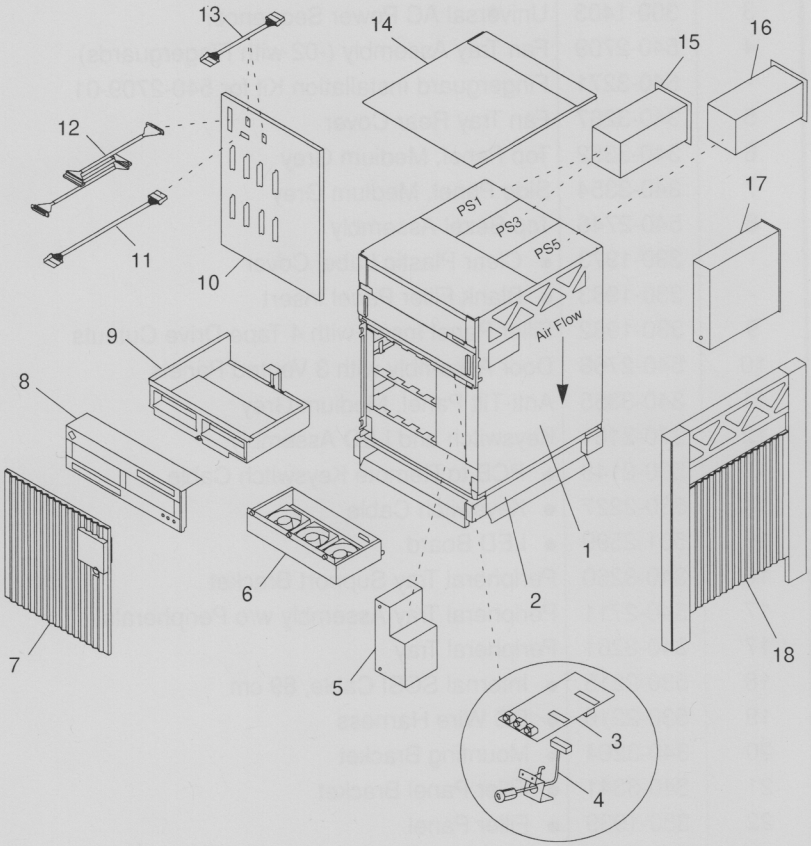
CODE	PART #	DESCRIPTION
1	540-2591	56-inch Data Center Cabinet Assembly [1]
2	340-3259	Fan/SCSI Tray Support Bracket
3	300-1290	Universal AC Power Sequencer
3	300-1403	Universal AC Power Sequencer
4	540-2709	Fan Tray Assembly (-02 with Fingerguards)
-	540-3271	Fingerguard Installation Kit for 540-2709-01
5	340-3267	Fan Tray Rear Cover
6	340-3352	Top Panel, Medium Grey
7	340-3354	Side Panel, Medium Grey
8	540-2746	Top Bezel Assembly
-	330-1973	• Clear Plastic Label Cover
-	330-1983	• Blank Filler Panel Insert
9	330-1982	Filler Panel Insert with 4 Tape Drive Cutouts
10	540-2766	Door Assembly with 3 Vented Panels
11	340-3355	Anti-Tilt Panel, Medium Grey
12	370-2161	Keyswitch and LED Assembly
13	530-2148	• PCB to Remote Keyswitch Cable
14	530-2227	• Keyswitch Cable
15	501-2599	• LED Board
16	340-3260	Peripheral Tray Support Bracket
17	540-2711	Peripheral Tray Assembly w/o Peripherals
17	340-3261	Peripheral Tray
18	530-2215	• Internal SCSI Cable, 89 cm
19	530-2216	• DC Wire Harness
20	340-3264	• Mounting Bracket
21	340-3341	• Filler Panel Bracket
22	330-1939	• Filler Panel
23	340-3270	• Peripheral Mounting Bracket
NS	330-2014	Power Key (replaced 330-1651)
NS	340-3353	Screw Mounted Rear Panel, Medium Grey
NS	340-3489	Hinged Rear Panel, Medium Grey
NS	530-2265	Power Cord, Harting Han 6HsB to NEMA L6-30P
NS	530-2266	Power Cord, Harting Han 6HsB to IEC309

[1] Refer to Miscellaneous Option 956 for additional details.

Enterprise 3500

E3500

5-Slot Logic Enclosure



Enterprise 3500

E3500

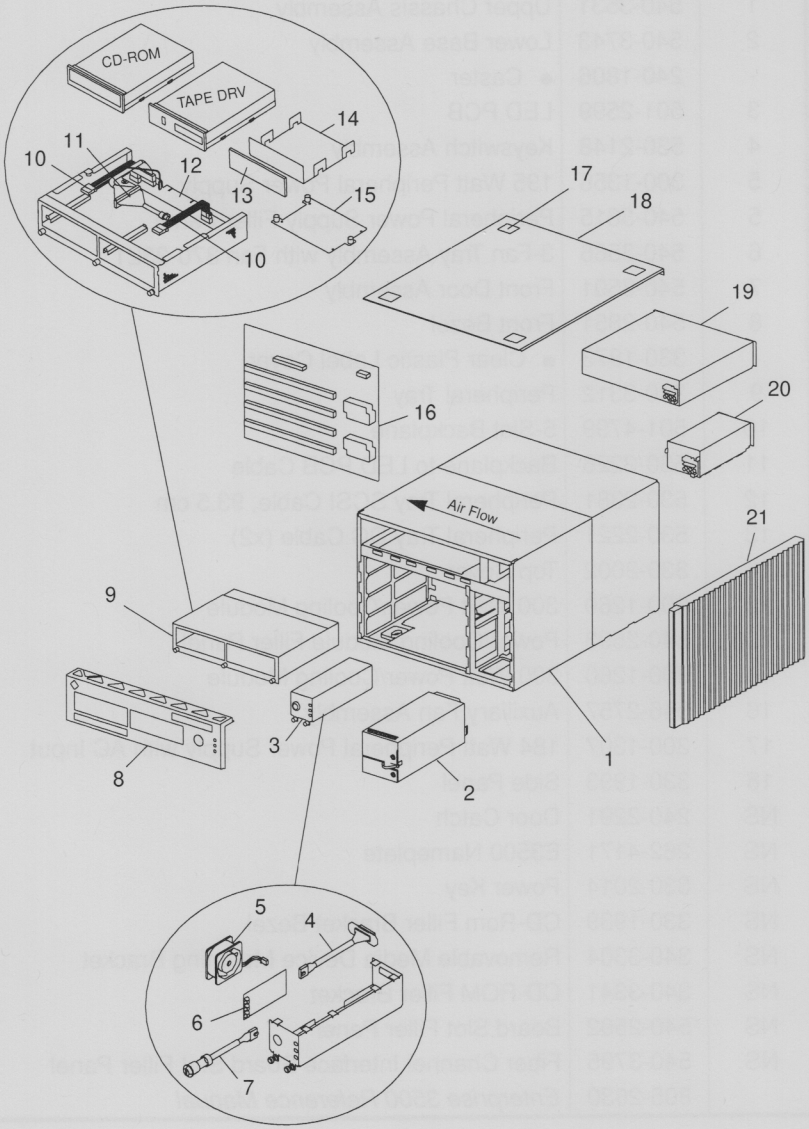
5-Slot Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-3531	Upper Chassis Assembly
2	540-3743	Lower Base Assembly
-	240-1806	• Caster
3	501-2599	LED PCB
4	530-2148	Keyswitch Assembly
5	300-1358	195 Watt Peripheral Power Supply
5	540-3815	Peripheral Power Supply Filler Panel
6	540-3566	3-Fan Tray Assembly with Fan 370-3321
7	540-3501	Front Door Assembly
8	540-2851	Front Bezel
-	330-1973	• Clear Plastic Label Cover
9	340-3312	Peripheral Tray
10	501-4799	5-Slot Backplane
11	530-2226	Backplane to LED PCB Cable
12	530-2381	Peripheral Tray SCSI Cable, 93.5 cm
13	530-2221	Peripheral Tray DC Cable (x2)
14	330-2002	Top Cover
15	300-1260	300 Watt Power/Cooling Module
15	540-2593	Power/Cooling Module Filler Panel
16	300-1260	300 Watt Power/Cooling Module
16	540-2757	Auxiliary Fan Assembly
17	300-1307	184 Watt Peripheral Power Supply with AC Input
18	330-1993	Side Panel
NS	240-2291	Door Catch
NS	262-4171	E3500 Nameplate
NS	330-2014	Power Key
NS	330-1939	CD-Rom Filler Bracket Bezel
NS	340-3304	Removable Media Device Mounting Bracket
NS	340-3341	CD-ROM Filler Bracket
NS	540-2592	Board Slot Filler Panel
NS	540-3795	Fiber Channel Interface Board Slot Filler Panel
	805-2630	*Enterprise 3500 Reference Manual*

Enterprise 4500

E4500

8-Slot Logic Enclosure



Enterprise 4500

E4500

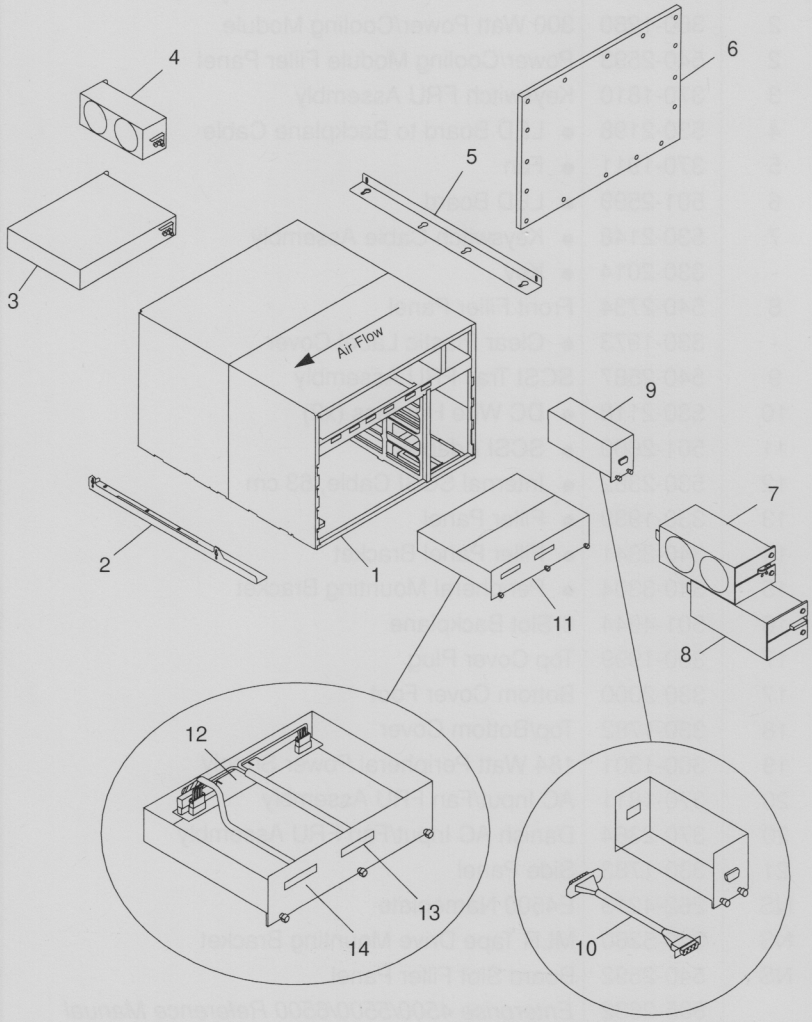
8-Slot Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-3700	8-Slot Chassis Assembly
1	540-3796	Danish 8-Slot Chassis Assembly
2	300-1260	300 Watt Power/Cooling Module
2	540-2593	Power/Cooling Module Filler Panel
3	370-1810	Keyswitch FRU Assembly
4	530-2198	• LED Board to Backplane Cable
5	370-1911	• Fan
6	501-2599	• LED Board
7	530-2148	• Keyswitch Cable Assembly
-	330-2014	• Key
8	540-2734	Front Filler Panel
-	330-1973	• Clear Plastic Label Cover
9	540-2587	SCSI Tray FRU Assembly
10	530-2118	• DC Wire Harness (x2)
11	501-2600	• SCSI Adapter
12	530-2382	• Internal SCSI Cable, 63 cm
13	330-1939	• Filler Panel
14	340-3341	• Filler Panel Bracket
15	340-3304	• Peripheral Mounting Bracket
16	501-4944	8-Slot Backplane
17	330-1999	Top Cover Plug
17	330-2000	Bottom Cover Foot
18	330-1782	Top/Bottom Cover
19	300-1301	184 Watt Peripheral Power Supply
20	370-1811	AC Input/Fan FRU Assembly
20	370-2364	Danish AC Input/Fan FRU Assembly
21	330-1783	Side Panel
NS	262-4213	E4500 Nameplate
NS	340-5260	MLR Tape Drive Mounting Bracket
NS	540-2592	Board Slot Filler Panel
	805-2632	*Enterprise 4500/5500/6500 Reference Manual*

Enterprise 5500

E5500

8-Slot Logic Enclosure



Enterprise 5500

E5500

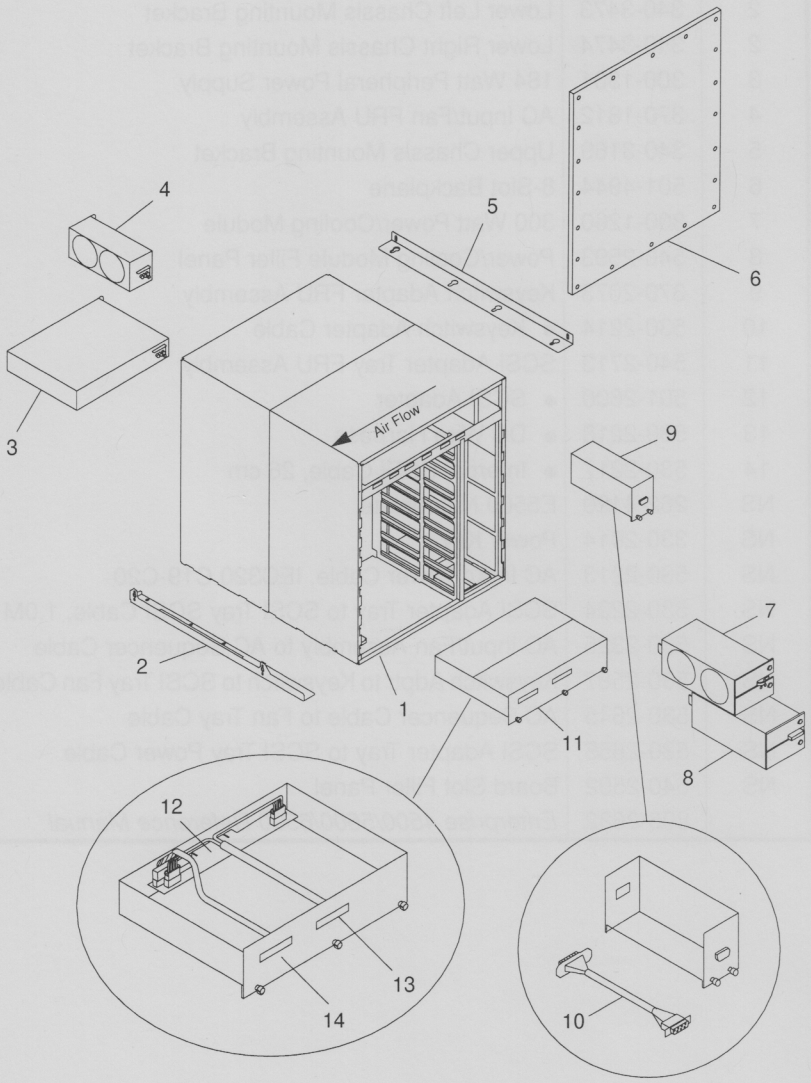
8-Slot Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-3573	8-Slot Chassis Assembly
2	340-3473	Lower Left Chassis Mounting Bracket
2	340-3474	Lower Right Chassis Mounting Bracket
3	300-1301	184 Watt Peripheral Power Supply
4	370-1812	AC Input/Fan FRU Assembly
5	340-3169	Upper Chassis Mounting Bracket
6	501-4944	8-Slot Backplane
7	300-1260	300 Watt Power/Cooling Module
8	540-2593	Power/Cooling Module Filler Panel
9	370-2073	Keyswitch Adapter FRU Assembly
10	530-2214	• Keyswitch Adapter Cable
11	540-2713	SCSI Adapter Tray FRU Assembly
12	501-2600	• SCSI Adapter
13	530-2218	• DC Wire Harness
14	530-2217	• Internal SCSI Cable, 26 cm
NS	262-4120	E5500 Nameplate
NS	330-2014	Power Key
NS	530-2213	AC Input Power Cable, IEC320 C19-C20
NS	530-2224	SCSI Adapter Tray to SCSI Tray SCSI Cable, 1.0M
NS	530-2325	AC Input/Fan Assembly to AC Sequencer Cable
NS	530-2587	Keyswitch Adptr to Keyswitch to SCSI Tray Fan Cable
NS	530-2645	AC Sequencer Cable to Fan Tray Cable
NS	530-2655	SCSI Adapter Tray to SCSI Tray Power Cable
NS	540-2592	Board Slot Filler Panel
	805-2632	*Enterprise 4500/5500/6500 Reference Manual*

Enterprise 6500

E6500

16-Slot Logic Enclosure



Enterprise 6500

E6500

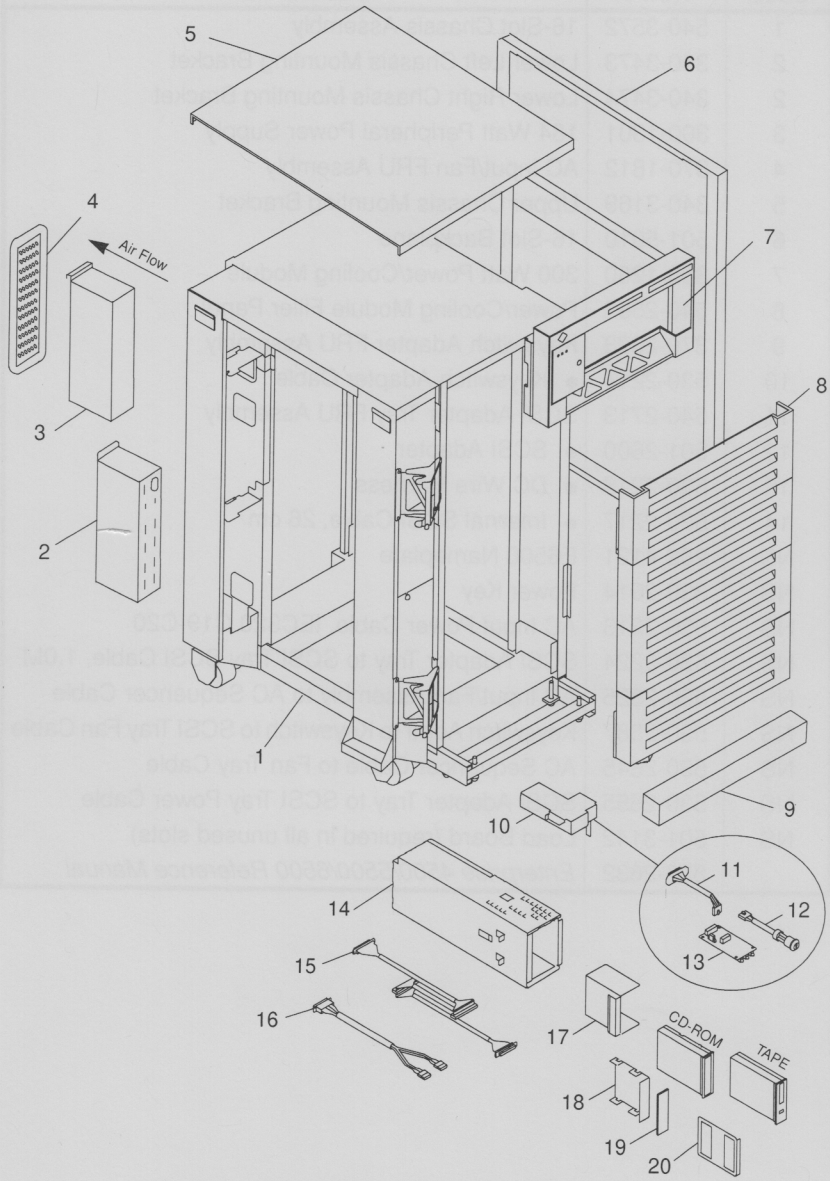
16-Slot Logic Enclosure

CODE	PART #	DESCRIPTION
1	540-3572	16-Slot Chassis Assembly
2	340-3473	Lower Left Chassis Mounting Bracket
2	340-3474	Lower Right Chassis Mounting Bracket
3	300-1301	184 Watt Peripheral Power Supply
4	370-1812	AC Input/Fan FRU Assembly
5	340-3169	Upper Chassis Mounting Bracket
6	501-5010	16-Slot Backplane
7	300-1260	300 Watt Power/Cooling Module
8	540-2593	Power/Cooling Module Filler Panel
9	370-2073	Keyswitch Adapter FRU Assembly
10	530-2214	• Keyswitch Adapter Cable
11	540-2713	SCSI Adapter Tray FRU Assembly
12	501-2600	• SCSI Adapter
13	530-2218	• DC Wire Harness
14	530-2217	• Internal SCSI Cable, 26 cm
NS	262-4121	E6500 Nameplate
NS	330-2014	Power Key
NS	530-2213	AC Input Power Cable, IEC320 C19-C20
NS	530-2224	SCSI Adapter Tray to SCSI Tray SCSI Cable, 1.0M
NS	530-2325	AC Input/Fan Assembly to AC Sequencer Cable
NS	530-2587	Keyswitch Adptr to Keyswitch to SCSI Tray Fan Cable
NS	530-2645	AC Sequencer Cable to Fan Tray Cable
NS	530-2655	SCSI Adapter Tray to SCSI Tray Power Cable
NS	501-3142	Load Board (required in all unused slots)
	805-2632	*Enterprise 4500/5500/6500 Reference Manual*

Enterprise 5500 and 6500

E5500 E6500

68-inch Data Center Cabinet



Enterprise 5500 and 6500

E5500 E6500

68-inch Data Center Cabinet

CODE	PART #	DESCRIPTION
1	540-3571	68-inch Data Center Cabinet Assembly [1]
NS	340-4628	SCSI Tray Support Bracket
2	300-1403	Universal AC Power Sequencer
3	540-2709	Fan Tray Assembly
4	340-3267	Fan Tray Rear Cover
5	340-3352	Medium Grey Top Panel
6	340-3671	Medium Grey Side Panel
7	540-2746	Top Bezel Assembly
-	330-1973	• Clear Plastic Label Cover
-	330-1983	• Blank Filler Panel Insert
NS	330-1982	Filler Panel Insert with 4 Tape Drive Cutouts
NS	330-2379	Filler Panel Insert with 2 Tape Drive Cutouts
8	540-3554	Door Assembly with 4 Vented Panels
9	340-3355	Medium Grey Anti-Tilt Panel
10	370-2161	Keyswitch and LED Assembly
11	530-2148	• PCB to Remote Keyswitch Cable
12	530-2227	• Keyswitch Cable
13	501-2599	• LED Board
14	540-3577	Peripheral Tray Assembly with Fan
14	340-4657	• Peripheral Tray
15	530-2528	• Internal SCSI Cable, 990 mm
16	530-2216	• DC Wire Harness
17	340-3264	• Mounting Bracket
NS	370-3321	• 92 mm Fan
18	340-3341	Filler Panel Bracket
19	330-1939	Filler Panel
20	340-3270	Peripheral Mounting Bracket
NS	330-2014	Power Key
NS	340-5205	Front Power Sequencer Mounting Bracket
NS	340-4624	Hinged Rear Panel, Medium Grey
NS	530-2567	Power Cord, Harting Han 6HsB to NEMA L6-30P
NS	530-2568	Power Cord, Harting Han 6HsB to IEC309
	805-2632	*Enterprise 4500/5500/6500 Reference Manual*

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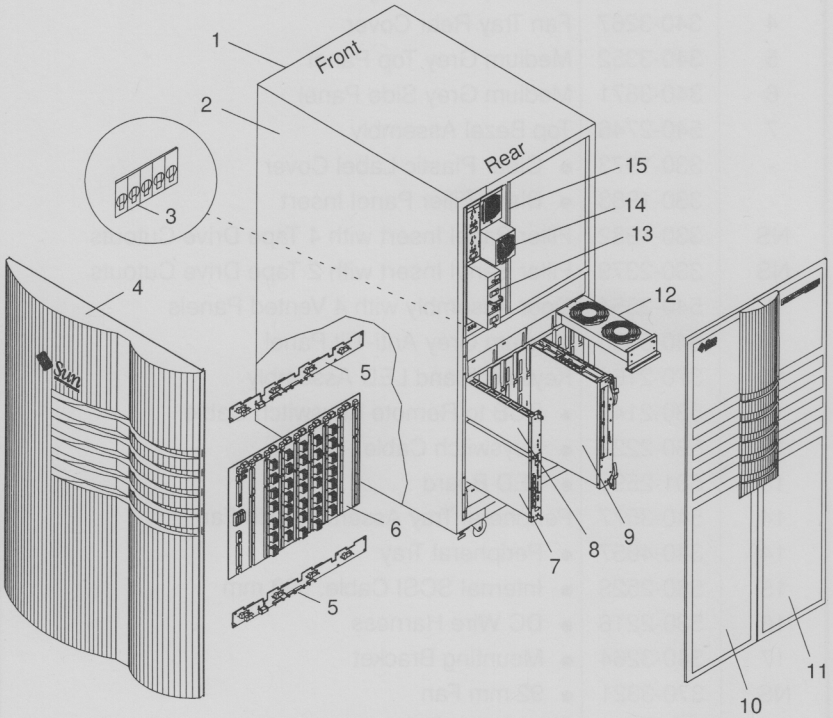
Data Center Cabinet



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Data Center Cabinet

CODE	PART#	DESCRIPTION
1	540-3059	Processor Cabinet
2	340-4526	Flat Side Panel (Option 9693)
3	540-3066	Circuit Breaker (x11 on each side)
4	350-1153	Curved Side Panel
5	501-4365	Fan Tray Centerplane
6	501-4348	Centerplane
-	370-2887	Centerplane Handle Set
7	501-4345	Control Board
7	540-3064	Control Board Filler Panel
8	501-4346	Centerplane Support Board
9	501-4347	System Board
9	540-3063	System Board Filler Panel
10	540-3543	Left Front/Rear Door
11	540-3542	Right Front/Rear Door
-	340-4537	• Front/Rear Door Foam Air Filter
12	540-3065	Fan Tray
12	540-3409	Fan Tray (Option 9671)
12	540-3075	Fan Tray Filler Panel
13	540-3062	AC Input Module (obsolete)
13	540-3441	AC Input Module
14	300-1336	48V Power Supply
15	540-3060	Rear AC/DC Power Shelf (SYS 0-7, FAN 0-1)
15	540-3069	Front AC/DC Power Shelf (SYS 8-15, FAN 2-3)
NS	300-1290	Universal AC Power Sequencer
NS	300-1403	Universal AC Power Sequencer
NS	370-2845	Card Cage Air Filter
NS	370-2887	Centerplane Removal Handle Set
NS	540-3067	Remote Power Control Module (obsolete)
NS	540-3068	Remote Power Control Module Shelf
NS	540-3426	Remote Power Control Module
NS	555-1897	Cardcage Air Filter Kit with 8x 370-2845

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Data Center Cabinet - Continued

PART#	DESCRIPTION
530-2265	AC Pwr Cord, Harting Han 6HsB to NEMA L6-30P
530-2266	AC Power Cord, Harting Han 6HsB to IEC309
530-2567	AC Pwr Cord, Harting Han 6HsB to NEMA L6-30P
530-2568	AC Power Cord, Harting Han 6HsB to IEC309
530-2379	AC Y Power Cord, NEMA L6-30P
530-2380	AC Y Power Cord, IEC309
530-2391	48Vdc Front Power Shelf to Rear Power Shelf Cable, .3M
530-2392	48Vdc Cardcage to Power Shelf Cable, 610 mm
530-2393	48Vdc Cardcage to Power Shelf Cable, 1270 mm
530-2394	Cardcage Sense Cable, 1.3M
530-2395	Cardcage Sense Cable, .9M
530-2396	Centerplane and Upper Fan Power Cable
530-2397	Fan Signal Ribbon Cable
530-2398	Fan Sense Ribbon Cable
530-2399	Lower Fan Power Cable
530-2400	Control Board to Remote Power Control Cable, 3M
530-2401	Control Board to Remote Power Control Cable, 1.5M
530-2402	AC Sequencer to Remote Power Control Cable, .5M
530-2403	AC Sequencer to Remote Power Control Cable, 6M
530-2475	Internal Power Shelf Circuit Breaker Cable
530-2476	Internal Power Shelf Cable, 305 mm
530-2477	Internal Power Shelf Cable, 660 mm